

Converting Colors

XYZ(75.6484, 91.1278, 56.9520)

Have a look what the booklet for
XYZ(75.6484, 91.1278, 56.9520)
contains.

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Color

**XYZ(75.6768, 91.1462,
56.7844)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FFB4
RGB	227, 255, 180
RGB Percent	89%, 100%, 71%
CMY	0.1098, 0.0000, 0.2941
CMYK	0.11, 0.00, 0.29, 0.00
HSL	82°, 100%, 85%
HSV	82°, 29%, 100%
XYZ	75.6768, 91.1462, 56.7844
YIQ	238.0780, 7.3870, -29.2610

Conversions

Conversions Part 2

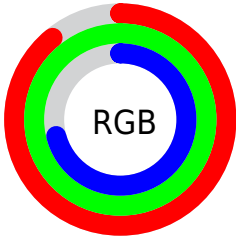
Format	Color
RYB	180, 255, 208
Decimal	14942132
CIELab	96.47, -21.36, 32.93
CIELCh	96, 39.251, 122.973
Yxy	91.1462, 0.3384, 0.4076
Android (android.graphics.Color)	4293132212 (0xFFE3FFB4)
YUV	238.0780, -28.6325, -9.7154
Hunter-Lab	95.4705, -25.5815, 31.5646

Details

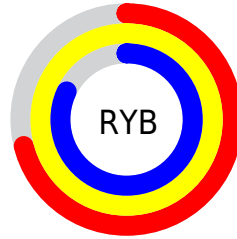
The XYZ color **75.6768, 91.1462, 56.7844** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.3847, 53.2737, 101.7080**, and the grayscale version is **81.5385, 85.7849, 93.4197**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **40.8194, 50.5784, 27.6899** is the 20% darker color. If you saturate the color by 10%, you get **70.3930, 88.6953, 44.2015**, and if you desaturate by 10%, it is **81.6054, 93.8742, 71.8946**.

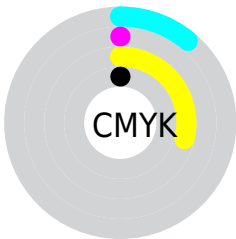
Distribution



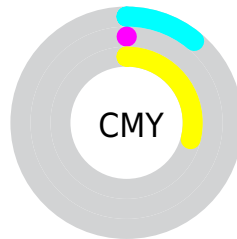
- Red (89%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (82%)



- Cyan (11%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6768, 91.1462, 56.7844 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.6768, 91.1462, 56.7844 by changing the saturation by 10% instead.

75.6768, 91.1462,
56.7844

75.6768, 91.1462,
56.7844

469.2020,
531.7524, 430.1120

56.4636, 68.9317,
40.4240

126.2527,
148.9295, 101.6477

40.8132, 50.6561,
27.5530

158.3462,
185.2671, 130.9877

28.3602, 35.9350,
17.7528

195.4639,
227.0811, 165.4913

18.7392, 24.3840,
10.6051

237.9711,
274.7561, 205.5770

11.5849, 15.6187,
5.6911

286.2331,
328.6762, 251.6634

6.5319, 9.2547,
2.5925

340.6154,

3.2148, 4.9077,

389.2261, 304.1690

0.8886

401.4832,
456.7900, 363.5124

■ 1.2683, 2.1932,
0.0000

■ 0.1593, 0.7163,
0.0000

■ 75.6768, 91.1462,
56.7844

■ 75.6768, 91.1462,
56.7844

■ 70.3930, 88.6953,
44.2015

■ 81.6054, 93.8742,
71.8946

■ 65.7239, 86.5092,
34.0037

■ 88.2045, 96.8899,
89.6559

■ 61.6384, 84.5751,
26.0405

95.0500, 100.0000,
108.9000

■ 58.1017, 82.8787,
20.1431

■ 55.0742, 81.4039,
16.1183

■ 52.5095, 80.1318,
13.7365

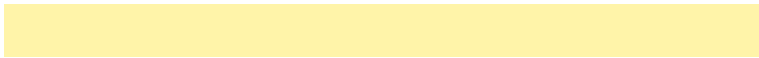
■ 50.3375, 79.0340,
12.6452

■ 50.2171, 78.9729,
12.5966

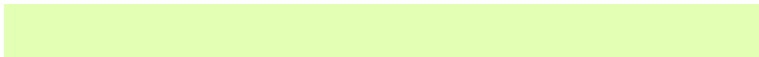
Harmonies

Analogous

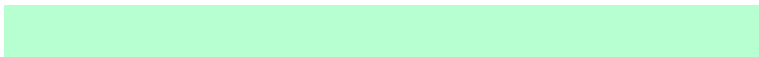
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5451, 91.1462, 50.4053



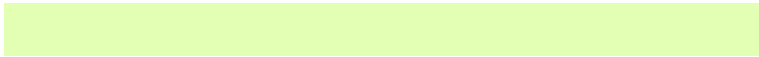
75.6768, 91.1462, 56.7844



69.2067, 91.1462, 74.2993

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6768, 91.1462, 56.7844



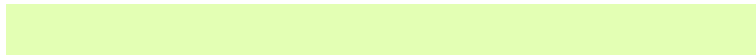
77.4171, 91.1462, 163.1867



109.3909, 91.1462, 96.1502

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.6768, 91.1462, 56.7844



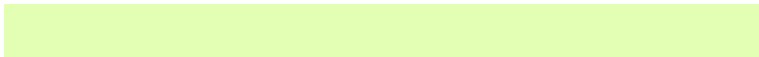
60.3847, 53.2737, 101.7080

Split Complementary

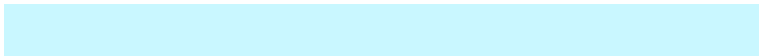
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.7606, 91.1462, 129.2240



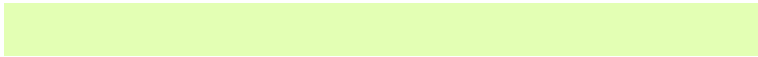
75.6768, 91.1462, 56.7844



87.7275, 91.1462, 172.4112

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6768, 91.1462, 56.7844



70.1504, 91.1462, 135.7866



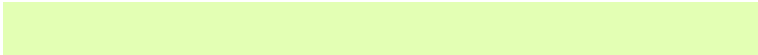
98.5959, 91.1462, 158.8715



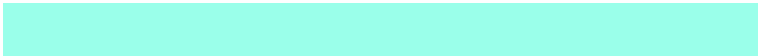
105.5112, 91.1462, 69.9250

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.6768, 91.1462, 56.7844



67.3805, 91.1462, 92.0508



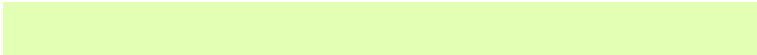
98.5959, 91.1462, 158.8715



109.2394, 91.1462, 106.7998

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.6772, 91.1464, 56.7857



88.4903, 97.0201, 90.4440



71.9130, 69.4245, 52.7914



18.7250, 20.6681, 18.7658



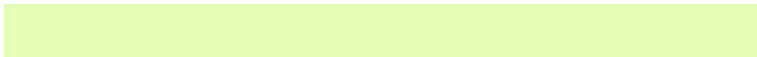
0.0000, 0.0000, 0.0000



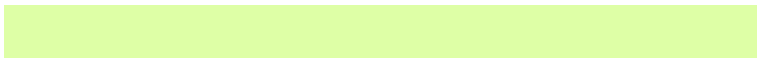
20.3446, 21.4041, 23.3091

Same Dimension

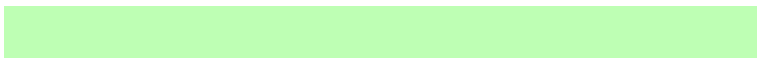
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6772, 91.1464, 56.7857



72.6462, 89.7431, 49.4496



65.2342, 85.7628, 56.2970



18.8655, 20.7321, 19.1517



26.4102, 41.3530, 6.5900



2.6924, 4.0888, 0.6473

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



60.3847, 53.2737, 101.7080



55.2127, 46.5534, 100.6834



72.0281, 59.2760, 102.2529



17.6436, 17.7080, 22.7380



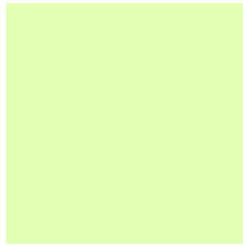
12.0595, 5.1274, 49.7887



1.2903, 0.5591, 4.8532

Previews

White Background



This preview shows how the XYZ color 75.6768, 91.1462, 56.7844 looks on a white background.

Color Contrast Check

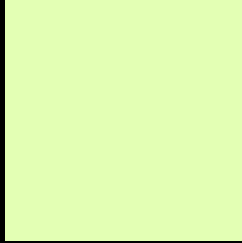
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 75.6768, 91.1462, 56.7844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

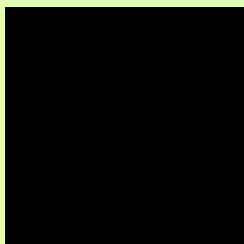
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

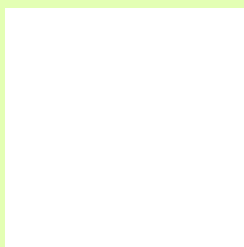
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.6768, 91.1462, 56.7844

Background



This preview shows how black text looks on a background with the XYZ color 75.6768, 91.1462, 56.7844.

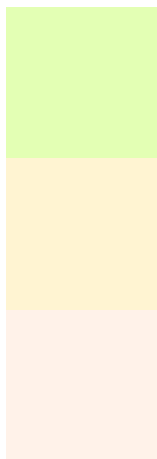


This preview shows how white text looks on a background with the XYZ color 75.6768, 91.1462,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.6768, 91.1462, 56.7844

Protanopia

85.2235, 90.6145, 73.9714

Deuteranopia

87.7001, 90.6475, 89.9652



Tritanopia

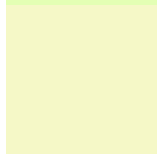
86.6763, 90.6221, 107.5312

Trichromacy



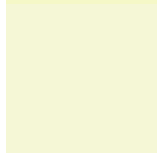
Original Color

75.6768, 91.1462, 56.7844



Protanomaly

81.5324, 90.6708, 67.2368



Deuteranomaly

83.0546, 90.7890, 76.7649



Tritanomaly

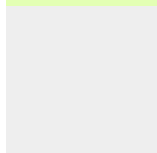
82.1631, 90.5691, 86.5499

Monochromacy



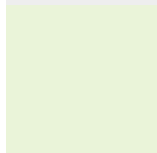
Original Color

75.6768, 91.1462, 56.7844



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.8068, 87.2035, 78.3240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.6768, 91.1462, 56.7844 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(227, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 180)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(227, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 180) }
```

Border

The CSS property to change the border of an element to XYZ 75.6768, 91.1462, 56.7844 is called "border". The border property can be set on classes, ids or directly on the HTML element.

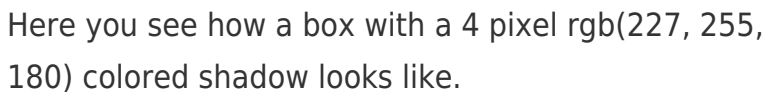
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 255, 180) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(227, 255, 180) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(227, 255, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 255, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 255, 180); box-shadow:4px 4px 4px 4px rgb(227, 255, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 75.6768, 91.1462, 56.7844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 180) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(227,  
255, 180) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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