

Converting Colors

XYZ(81.3212, 100.0000,
73.7337)

Have a look what the booklet for
XYZ(81.3212, 100.0000, 73.7337)
contains.

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Color

**XYZ(77.1467, 91.5546,
72.6372)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFFCF
RGB	222, 255, 207
RGB Percent	87%, 100%, 81%
CMY	0.1294, 0.0000, 0.1882
CMYK	0.13, 0.00, 0.19, 0.00
HSL	101°, 100%, 91%
HSV	101°, 19%, 100%
XYZ	77.1467, 91.5546, 72.6372
YIQ	239.6610, -4.2600, -21.9240

Conversions

Conversions Part 2

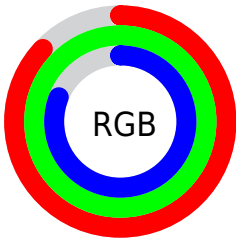
Format	Color
R_{YB}	207, 255, 240
Decimal	14614479
CIE _{Lab}	96.64, -19.10, 19.45
CIE _{LCh}	97, 27.261, 134.488
Y _{xy}	91.5546, 0.3197, 0.3794
Android (android.graphics.Color)	4292804559 (0xFFDEFFCF)
YUV	239.6610, -16.1019, -15.4887
Hunter-Lab	95.6842, -23.5292, 21.9698

Details

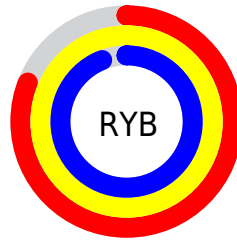
The XYZ color **77.1467, 91.5546, 72.6372** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.2988, 70.3721, 104.1695**, and the grayscale version is **82.6831, 86.9891, 94.7311**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8802, 50.9036, 37.7550** is the 20% darker color. If you saturate the color by 10%, you get **69.1829, 87.7807, 57.2837**, and if you desaturate by 10%, it is **86.1736, 95.8183, 90.6713**.

Distribution



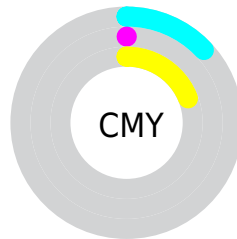
- Red (87%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (94%)



- Cyan (13%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1467, 91.5546, 72.6372 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 77.1467, 91.5546, 72.6372 by changing the saturation by 10% instead.

77.1467, 91.5546,
72.6372

77.1467, 91.5546,
72.6372

474.1483,
533.0750, 488.7935

57.6736, 69.2707,
53.1893

128.3183,
149.4959, 124.6782

41.7886, 50.9322,
37.5652

160.7475,
185.9222, 158.1084

29.1262, 36.1547,
25.3462

198.2262,
227.8314, 197.0364

19.3210, 24.5537,
16.1138

241.1196,
275.6079, 241.8809

12.0079, 15.7448,
9.4495

289.7932,
329.6361, 293.0603

6.8213, 9.3438,
4.9347

344.6123,

3.3959, 4.9661,

390.3005, 350.9931

2.1509

405.9422,
457.9853, 416.0980

■ 1.3664, 2.2274,
0.6458

■ 0.2321, 0.7349,
0.0000

■ 77.1467, 91.5546,
72.6372

■ 77.1467, 91.5546,
72.6372

■ 69.1829, 87.7807,
57.2837

■ 86.1736, 95.8183,
90.6713

■ 62.2394, 84.4774,
44.4788

95.0500, 100.0000,
108.9000

■ 56.2727, 81.6253,
34.0856

■ 51.2355, 79.2034,
25.9526

■ 47.0761, 77.1885,
19.9110

■ 43.7369, 75.5553,
15.7687

■ 41.1521, 74.2748,
13.2979

■ 39.2344, 73.3092,
12.1684

■ 39.0418, 73.2118,
12.0736

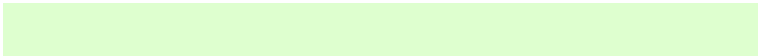
Harmonies

Analogous

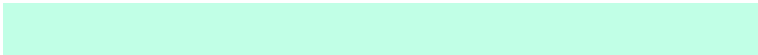
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4040, 91.5546, 64.3153



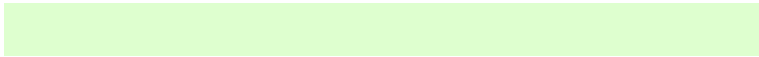
77.1467, 91.5546, 72.6372



73.6457, 91.5546, 88.8760

Triad

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



77.1467, 91.5546, 72.6372



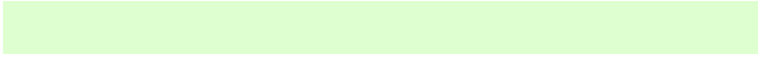
83.1581, 91.5546, 145.8575



101.9979, 91.5546, 89.5494

Complementary

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



77.1467, 91.5546, 72.6372



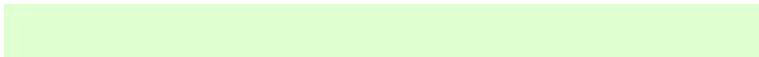
76.2988, 70.3721, 104.1695

Split Complementary

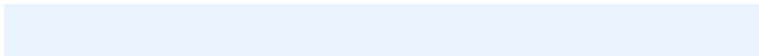
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.9225, 91.5546, 111.3418



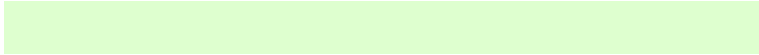
77.1467, 91.5546, 72.6372



90.7388, 91.5546, 146.1081

Square

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



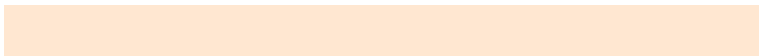
77.1467, 91.5546, 72.6372



76.9758, 91.5546, 132.0946



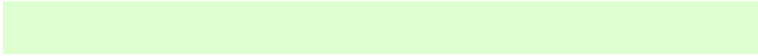
97.7015, 91.5546, 132.7361



97.9018, 91.5546, 73.0679

Rectangle

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



77.1467, 91.5546, 72.6372



73.2090, 91.5546, 103.0084



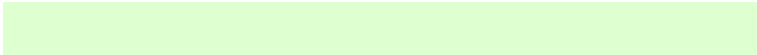
97.7015, 91.5546, 132.7361



102.4668, 91.5546, 96.4385

Sweetspot

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



77.1473, 91.5549, 72.6386



88.9191, 97.1127, 96.2627



83.6042, 87.9680, 71.6059



18.8947, 20.7212, 20.3230



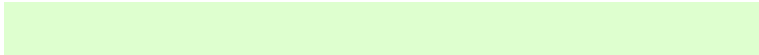
0.0000, 0.0000, 0.0000



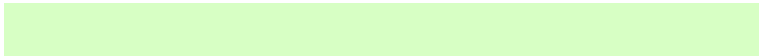
20.3446, 21.4041, 23.3091

Same Dimension

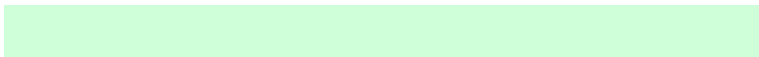
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1473, 91.5549, 72.6386



73.6935, 89.9198, 65.9059



73.8618, 89.7333, 78.2588



18.3056, 20.4434, 19.1255



20.5347, 38.3241, 6.3150



2.1062, 3.7866, 0.6199

Inverse Universe

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



76.2988, 70.3721, 104.1695



72.6847, 64.8061, 103.2857



80.2187, 72.5528, 97.1262



18.2081, 17.9990, 22.7644



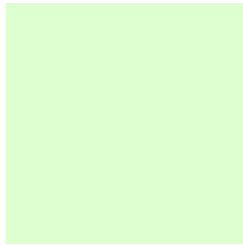
18.8669, 8.6367, 50.1072



1.9497, 0.8990, 4.8840

Previews

White Background



This preview shows how the XYZ color 77.1467, 91.5546, 72.6372 looks on a white background.

Color Contrast Check

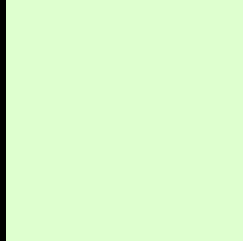
Large Text (above 18pt) WCAG AA × Fail

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 77.1467, 91.5546, 72.6372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

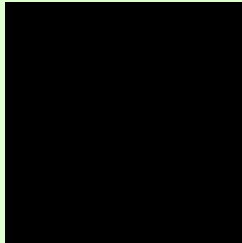
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

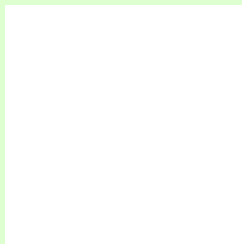
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.1467, 91.5546, 72.6372

Background



This preview shows how black text looks on a background with the XYZ color 77.1467, 91.5546, 72.6372.



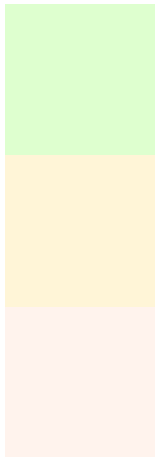
This preview shows how white text looks on a background with the XYZ color 77.1467, 91.5546,

72.6372.

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

77.1467, 91.5546, 72.6372

Protanopia

86.1581, 91.4711, 77.4046

Deuteranopia

88.5767, 91.4756, 93.1088



Tritanopia

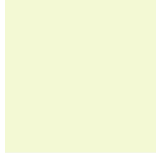
86.6024, 91.4823, 107.7011

Trichromacy



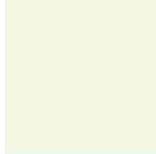
Original Color

77.1467, 91.5546, 72.6372



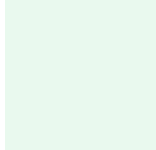
Protanomaly

82.7215, 91.5595, 75.6002



Deuteranomaly

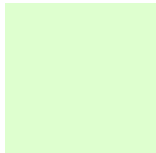
83.9504, 91.0672, 85.1046



Tritanomaly

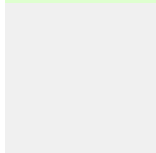
82.9126, 91.2480, 94.1316

Monochromacy



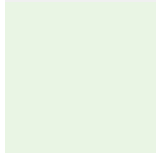
Original Color

77.1467, 91.5546, 72.6372



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.2603, 88.2299, 86.1987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1467, 91.5546, 72.6372 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(222, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 207)  
}
```

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(222, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 77.1467, 91.5546, 72.6372 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(222, 255, 207) }
```


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

```
.border{ border-color:rgb(222, 255, 207) }
```

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

Here you see how a box with a 4 pixel rgb(222, 255, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1467, 91.5546, 72.6372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 207) }
```

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

```
.background{ background-color: rgb(222,  
255, 207) }
```

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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