

Converting Colors

XYZ(75.2589, 91.4863, 31.6627)

Have a look what the booklet for
XYZ(75.2589, 91.4863, 31.6627)
contains.

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Color

**XYZ(75.1464, 91.4257,
31.7755)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FF79
RGB	240, 255, 121
RGB Percent	94%, 100%, 47%
CMY	0.0588, 0.0000, 0.5255
CMYK	0.06, 0.00, 0.53, 0.00
HSL	67°, 100%, 74%
HSV	67°, 53%, 100%
XYZ	75.1464, 91.4257, 31.7755
YIQ	235.2390, 34.0740, -44.8540

Conversions

Conversions Part 2

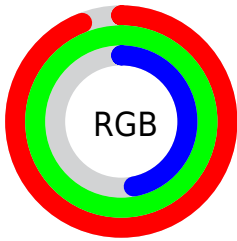
Format	Color
R_{YB}	121, 255, 136
Decimal	15794041
CIE _{Lab}	96.59, -22.94, 61.45
CIE _{LCh}	97, 65.595, 110.472
Yxy	91.4257, 0.3789, 0.4609
Android (android.graphics.Color)	4293984121 (0xFFFF0FF79)
YUV	235.2390, -56.3198, 4.1754
Hunter-Lab	95.6168, -27.0440, 47.2284

Details

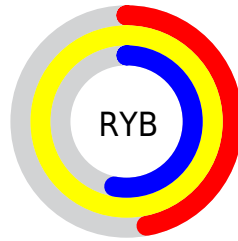
The XYZ color **75.1464, 91.4257, 31.7755** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **35.0419, 26.1303, 97.8045**, and the grayscale version is **79.5446, 83.6871, 91.1353**.

A 20% lighter version of the original color is **84.9358, 95.9543, 55.6394**, and **40.4689, 50.7266, 12.8125** is the 20% darker color. If you saturate the color by 10%, you get **72.8221, 90.3850, 24.5549**, and if you desaturate by 10%, it is **77.8995, 92.6398, 41.1757**.

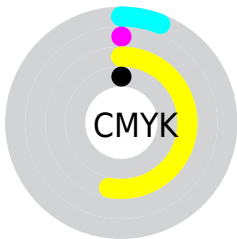
Distribution



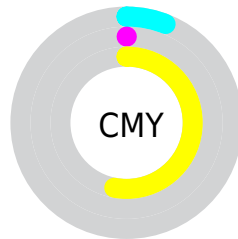
- Red (94%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (53%)



- Cyan (6%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.1464, 91.4257, 31.7755 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 75.1464, 91.4257, 31.7755 by changing the saturation by 10% instead.


 75.1464, 91.4257,
31.7755

 75.1464, 91.4257,
31.7755


467.4100,
532.6578, 324.5565


 56.0274, 69.1637,
20.9267


 125.5064,
149.3172, 63.5528

 40.4620, 50.8451,
12.8797


 157.4781,
185.7155, 85.3183

 28.0848, 36.0853,
7.2160


 194.4648,
227.5947, 111.5599

 18.5303, 24.5001,
3.5171

236.8318,
275.3391, 142.6960

 11.4334, 15.7050,
1.3643

284.9444,
329.3333, 179.1451

 6.4286, 9.3156,
0.1137

339.1681,

 3.1505, 4.9476,

389.9615, 221.3259

0.0000

399.8682,
457.6082, 269.6568

■ 1.2338, 2.2166,
0.0000

■ 0.1328, 0.7290,
0.0000

■ 75.1464, 91.4257,
31.7755

■ 75.1464, 91.4257,
31.7755

■ 72.8221, 90.3850,
24.5549

■ 77.8995, 92.6398,
41.1757

■ 70.8928, 89.5039,
19.3345


■ 81.1108, 94.0390,
52.9081


■ 69.3201, 88.7672,
15.9131

■ 84.8074, 95.6340,
67.1160

■ 68.0573, 88.1563,
14.0451

■ 89.0143, 97.4349,
83.9301

 67.2666, 87.7623,
13.3945

 93.7546, 99.4510,
103.4720

95.0500, 100.0000,
108.9000

Harmonies

Analogous

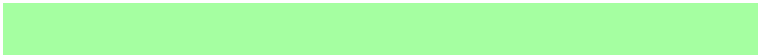
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8615, 91.4257, 29.5051



75.1464, 91.4257, 31.7755



62.4533, 91.4257, 48.1415

Triad

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



75.1464, 91.4257, 31.7755



66.3445, 91.4257, 199.4375



126.4871, 91.4257, 117.2031

Complementary

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



75.1464, 91.4257, 31.7755



35.0419, 26.1303, 97.8045

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.



117.0088, 91.4257, 178.5802



75.1464, 91.4257, 31.7755



81.1942, 91.4257, 235.9248

Square

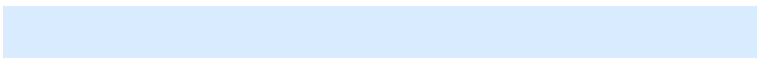
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1464, 91.4257, 31.7755



57.8894, 91.4257, 139.1794



99.8137, 91.4257, 227.1798



124.2661, 91.4257, 68.2580

Rectangle

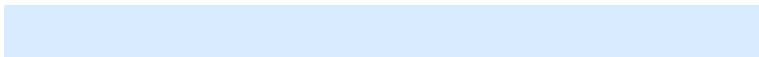
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.1464, 91.4257, 31.7755



57.7380, 91.4257, 69.4809



99.8137, 91.4257, 227.1798



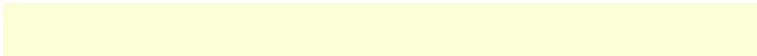
124.5185, 91.4257, 137.2338

Sweetspot

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



75.1466, 91.4258, 31.7767



87.5027, 96.7893, 77.8226



53.2724, 39.8025, 22.9653



18.5427, 20.6371, 15.9105



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

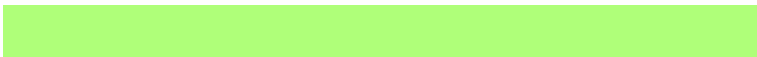
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1466, 91.4258, 31.7767



72.7265, 90.3417, 24.2768



56.8015, 81.9686, 30.9182



19.3492, 20.9814, 19.1743



35.2285, 45.8990, 7.0027



3.4847, 4.4972, 0.6844

Inverse Universe

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



35.0419, 26.1303, 97.8045



28.8086, 18.7545, 96.7093



49.0834, 33.3689, 98.4616



17.1918, 17.4751, 22.7169



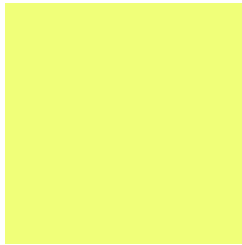
9.7495, 3.9365, 49.6806



1.0076, 0.4134, 4.8400

Previews

White Background



This preview shows how the XYZ color 75.1464, 91.4257, 31.7755 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 75.1464, 91.4257, 31.7755 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 75.1464, 91.4257, 31.7755

Background



This preview shows how black text looks on a background with the XYZ color 75.1464, 91.4257, 31.7755.

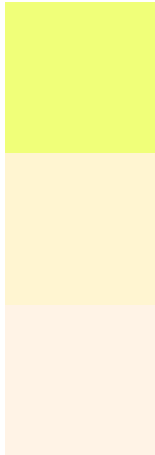


This preview shows how white text looks on a background with the XYZ color 75.1464, 91.4257,

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

75.1464, 91.4257, 31.7755

Protanopia

85.4010, 91.1683, 73.4177

Deuteranopia

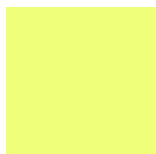
87.5735, 91.0744, 87.8264



Tritanopia

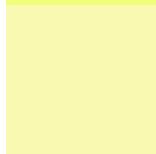
89.6502, 90.8260, 107.4138

Trichromacy



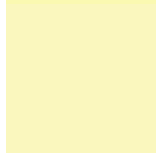
Original Color

75.1464, 91.4257, 31.7755



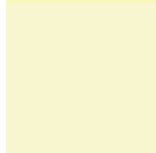
Protanomaly

81.2358, 91.2497, 54.9263



Deuteranomaly

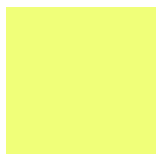
81.9794, 90.5632, 61.8749



Tritanomaly

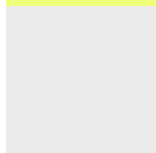
82.8077, 90.3242, 71.4624

Monochromacy



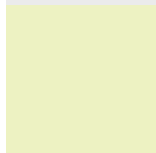
Original Color

75.1464, 91.4257, 31.7755



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.4148, 85.4038, 63.4960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.1464, 91.4257, 31.7755 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(240, 255, 121)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 121)  
}
```

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(240, 255, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 121) }
```

Border

The CSS property to change the border of an element to XYZ 75.1464, 91.4257, 31.7755 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(240, 255, 121) }
```


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

```
.border{ border-color:rgb(240, 255, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 255, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 121);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 75.1464, 91.4257, 31.7755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 121) }
```

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

```
.background{ background-color: rgb(240,  
255, 121) }
```

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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