

Converting Colors

XYZ(75.7864, 91.9210, 24.3378)

Have a look what the booklet for
XYZ(75.7864, 91.9210, 24.3378)
contains.

XYZ(75.7864, 91.9210, 24.3378)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(75.7864, 91.9210,
24.3378)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FF5E
RGB	246, 255, 94
RGB Percent	96%, 100%, 37%
CMY	0.0353, 0.0000, 0.6314
CMYK	0.04, 0.00, 0.63, 0.00
HSL	63°, 100%, 68%
HSV	63°, 63%, 100%
XYZ	75.7864, 91.9210, 24.3378
YIQ	233.9550, 46.3170, -51.9790

Conversions

Conversions Part 2

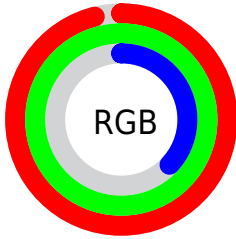
Format	Color
R _Y B	94, 255, 103
Decimal	16187230
CIE Lab	96.79, -22.51, 73.08
CIE LCh	97, 76.472, 107.117
Yxy	91.9210, 0.3946, 0.4786
Android (android.graphics.Color)	4294377310 (0xFFFF6FF5E)
YUV	233.9550, -68.9978, 10.5635
Hunter-Lab	95.8754, -26.6836, 52.0622

Details

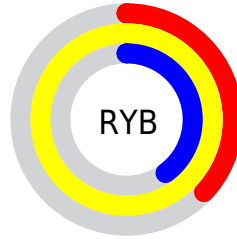
The XYZ color **75.7864, 91.9210, 24.3378** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **27.6473, 18.1102, 96.6462**, and the grayscale version is **78.6533, 82.7494, 90.1141**.

A 20% lighter version of the original color is **82.5859, 95.0144, 43.2650**, and **40.6781, 50.9210, 8.9131** is the 20% darker color. If you saturate the color by 10%, you get **74.3265, 91.2794, 19.2513**, and if you desaturate by 10%, it is **77.6280, 92.7156, 31.4166**.

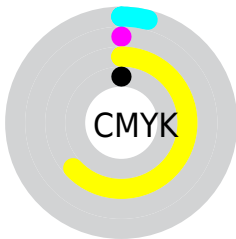
Distribution



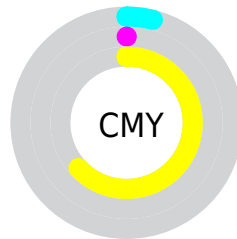
- Red (96%)
- Green (100%)
- Blue (37%)



- Red (37%)
- Yellow (100%)
- Blue (40%)



- Cyan (4%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.7864, 91.9210, 24.3378 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 75.7864, 91.9210, 24.3378 by changing the saturation by 10% instead.


 75.7864, 91.9210,
24.3378

 75.7864, 91.9210,
24.3378


469.5718,
534.2602, 287.8652


 56.5538, 69.5750,
15.3699


 126.4069,
150.0039, 51.5316


 40.8859, 51.1801,
8.9299


 158.5255,
186.5096, 70.5946

 28.4172, 36.3520,
4.5993


 195.6702,
228.5040, 93.8596

 18.7824, 24.7062,
1.9595

 238.2063,
276.3715, 121.7453

 11.6162, 15.8583,
0.5302

286.4991,
330.4964, 154.6702

 6.5533, 9.4239,
0.0000

340.9141,

 3.2282, 5.0187,

391.2633, 193.0528

0.0000

401.8165,
459.0564, 237.3116

■ 1.2755, 2.2582,
0.0000

■ 0.1648, 0.7515,
0.0000

■ 75.7864, 91.9210,
24.3378

■ 75.7864, 91.9210,
24.3378

■ 74.3265, 91.2794,
19.2513

■ 77.6280, 92.7156,
31.4166

■ 73.2094, 90.7755,
15.9489


■ 79.8849, 93.6768,
40.6611


■ 72.3879, 90.3902,
14.1831

■ 82.5870, 94.8165,
52.2297

■ 71.9482, 90.1757,
13.6136

■ 85.7613, 96.1456,
66.2653

 89.4330, 97.6740,
82.8992

 93.6250, 99.4110,
102.2534

95.0500, 100.0000,
108.9000

Harmonies

Analogous

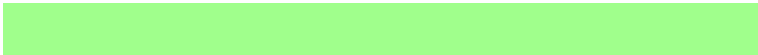
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.8866, 91.9210, 23.4686



75.7864, 91.9210, 24.3378



60.5059, 91.9210, 39.3195

Triad

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



75.7864, 91.9210, 24.3378



62.2079, 91.9210, 213.9330



134.0374, 91.9210, 128.7879

Complementary

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



75.7864, 91.9210, 24.3378



27.6473, 18.1102, 96.6462

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.



121.1946, 91.9210, 203.8583



75.7864, 91.9210, 24.3378



78.4945, 91.9210, 264.9553

Square

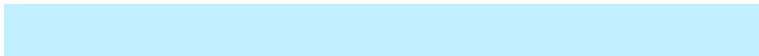
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.7864, 91.9210, 24.3378



53.5920, 91.9210, 139.0175



100.0735, 91.9210, 260.6574



132.9913, 91.9210, 69.2002

Rectangle

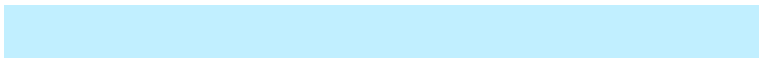
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.7864, 91.9210, 24.3378



54.6225, 91.9210, 60.8356



100.0735, 91.9210, 260.6574



131.1233, 91.9210, 153.3788

Sweetspot

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



75.7864, 91.9210, 24.3390



87.2180, 96.7529, 72.8217



48.0174, 31.5817, 14.1559



18.4506, 20.6184, 14.6059



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.



75.7864, 91.9210, 24.3390



73.9733, 91.1218, 18.1326



53.6016, 80.4842, 23.3008



19.4550, 21.0360, 19.1793



37.6379, 47.1411, 7.1154



3.6941, 4.6051, 0.6942

Inverse Universe

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



27.6473, 18.1102, 96.6462



22.4045, 11.9579, 95.7350



41.4752, 25.2387, 97.2933



17.0970, 17.4262, 22.7124



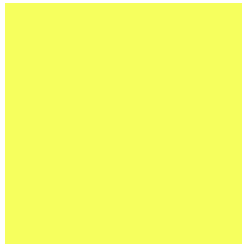
9.5655, 3.8417, 49.6719



0.9629, 0.3903, 4.8379

Previews

White Background



This preview shows how the XYZ color 75.7864, 91.9210, 24.3378 looks on a white background.

Color Contrast Check

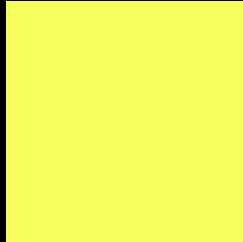
Large Text (above 18pt) WCAG AA × Fail

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 75.7864, 91.9210, 24.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

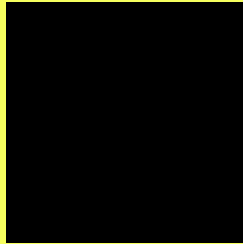
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.7864, 91.9210, 24.3378

Background



This preview shows how black text looks on a background with the XYZ color 75.7864, 91.9210, 24.3378.



This preview shows how white text looks on a background with the XYZ color 75.7864, 91.9210,

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



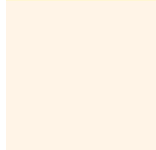
Original Color

75.7864, 91.9210, 24.3378



Protanopia

85.9536, 91.8747, 74.8314



Deuteranopia

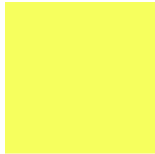
88.0145, 91.7309, 88.6683



Tritanopia

90.5628, 91.7925, 105.0400

Trichromacy



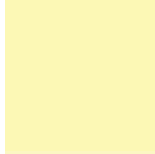
Original Color

75.7864, 91.9210, 24.3378



Protanomaly

81.0884, 91.2740, 50.3896



Deuteranomaly

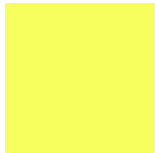
82.0528, 91.1664, 56.9883



Tritanomaly

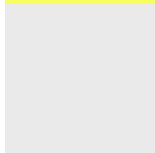
83.2560, 91.1571, 64.8368

Monochromacy



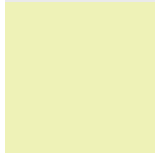
Original Color

75.7864, 91.9210, 24.3378



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.5593, 85.1003, 57.2433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7864, 91.9210, 24.3378 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(246, 255, 94)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 94)  
}
```

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(246, 255, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 94) }
```

Border

The CSS property to change the border of an element to XYZ 75.7864, 91.9210, 24.3378 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(246, 255, 94) }
```


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

```
.border{ border-color:rgb(246, 255, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 255, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 94);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7864, 91.9210, 24.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 94) }
```

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

```
.background{ background-color: rgb(246,  
255, 94) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor