

Converting Colors

XYZ(95.0537, 100.0000,
15.4283)

Have a look what the booklet for
XYZ(95.0537, 100.0000, 15.4283)
contains.

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Color

**XYZ(75.9590, 90.3431,
14.5969)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFB1D
RGB	255, 251, 29
RGB Percent	100%, 98%, 11%
CMY	0.0000, 0.0157, 0.8862
CMYK	0.00, 0.02, 0.89, 0.00
HSL	59°, 100%, 56%
HSV	59°, 89%, 100%
XYZ	75.9590, 90.3431, 14.5969
YIQ	226.8880, 73.6460, -68.1940

Conversions

Conversions Part 2

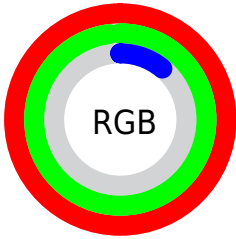
Format	Color
R _Y B	33, 255, 29
Decimal	16775965
CIE Lab	96.14, -19.36, 90.98
CIE LCh	96, 93.020, 102.012
Yxy	90.3431, 0.4199, 0.4994
Android (android.graphics.Color)	4294966045 (0xFFFFFB1D)
YUV	226.8880, -97.5588, 24.6542
Hunter-Lab	95.0490, -23.6863, 57.4290

Details

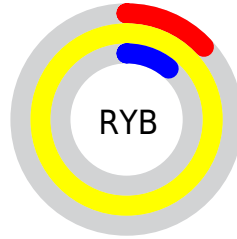
The XYZ color **75.9590, 90.3431, 14.5969** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **19.1012, 8.5697, 95.2545**, and the grayscale version is **73.5854, 77.4175, 84.3077**.

A 20% lighter version of the original color is **79.4987, 93.7795, 27.0079**, and **41.7632, 50.4995, 7.5462** is the 20% darker color. If you saturate the color by 10%, you get **75.6178, 89.9851, 13.4844**, and if you desaturate by 10%, it is **76.5580, 90.8116, 17.0474**.

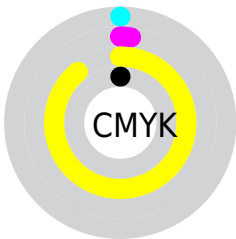
Distribution



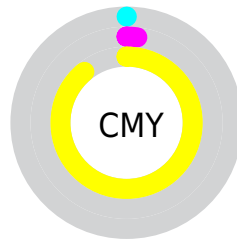
- Red (100%)
- Green (98%)
- Blue (11%)



- Red (13%)
- Yellow (100%)
- Blue (11%)



- Cyan (0%)
- Magenta (2%)
- Yellow (89%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.9590, 90.3431, 14.5969 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 75.9590, 90.3431, 14.5969 by changing the saturation by 10% instead.


 75.9590, 90.3431,
14.5969

 75.9590, 90.3431,
14.5969


470.1539,
529.1463, 232.4693

 56.6958, 68.2652,
8.3935


 126.6496,
147.8149, 34.8767

 41.0003, 50.1136,
4.2564


 158.8078,
183.9776, 49.7902


 28.5070, 35.5036,
1.7670


 195.9950,
225.6041, 68.4441

 18.8506, 24.0511,
0.4061

 238.5765,
273.0787, 91.2570

 11.6657, 15.3715,
0.0000

 286.9179,
326.7858, 118.6475

 6.5871, 9.0805,
0.0000

341.3843,

 3.2492, 4.7938,

387.1098, 151.0340

0.0000

402.3412,
454.4352, 188.8351

■ 1.2869, 2.1268,
0.0000

■ 0.1734, 0.6796,
0.0000

■ 75.9590, 90.3431,
14.5969

■ 75.9590, 90.3431,
14.5969

■ 75.6178, 89.9851,
13.4844

■ 76.5580, 90.8116,
17.0474

■ 75.5791, 89.9387,
13.3765

■ 77.4698, 91.4023,
21.1521

■ 78.7393, 92.1366,
27.1386

■ 80.4026, 93.0290,
35.1976

82.4916, 94.0922,
45.4964

85.0348, 95.3376,
58.1854

88.0583, 96.7756,
73.4018

91.5861, 98.4160,
91.2725

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



102.1061, 90.3431, 15.6973



75.9590, 90.3431, 14.5969



56.7789, 90.3431, 26.0937

Triad

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



75.9590, 90.3431, 14.5969



54.0498, 90.3431, 227.2738



142.1771, 90.3431, 149.0517

Complementary

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



75.9590, 90.3431, 14.5969



19.1012, 8.5697, 95.2545

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.



123.5049, 90.3431, 246.0628



75.9590, 90.3431, 14.5969



71.4504, 90.3431, 304.6252

Square

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



75.9590, 90.3431, 14.5969



45.9336, 90.3431, 130.9728



96.6042, 90.3431, 312.8379



144.0577, 90.3431, 71.6806

Rectangle

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



75.9590, 90.3431, 14.5969



49.1096, 90.3431, 45.6505



96.6042, 90.3431, 312.8379



137.5058, 90.3431, 181.1734

Sweetspot

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



75.9610, 90.3473, 14.5987



85.4921, 95.5579, 60.4766



42.0064, 22.2702, 3.7981



18.0960, 20.3555, 11.9279



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.



75.9610, 90.3473, 14.5987



75.5796, 89.9393, 13.3765



48.4751, 78.0489, 13.6736



19.5321, 21.0324, 19.1745



39.5045, 47.0203, 6.9937



3.8549, 4.5951, 0.6838

Inverse Universe

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



19.1012, 8.5697, 95.2545



18.0989, 7.3178, 95.0663



28.3972, 13.2070, 95.6596



17.0288, 17.4291, 22.7166



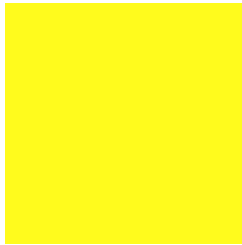
9.4682, 3.8460, 49.6779



0.9305, 0.3918, 4.8398

Previews

White Background



This preview shows how the XYZ color 75.9590, 90.3431, 14.5969 looks on a white background.

Color Contrast Check

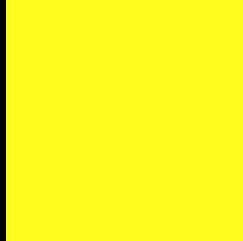
Large Text (above 18pt) WCAG AA × Fail

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 75.9590, 90.3431, 14.5969 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 75.9590, 90.3431, 14.5969

Background



This preview shows how black text looks on a background with the XYZ color 75.9590, 90.3431, 14.5969.



This preview shows how white text looks on a background with the XYZ color 75.9590, 90.3431,

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



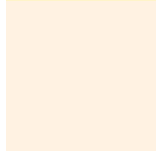
Original Color

75.9590, 90.3431, 14.5969



Protanopia

84.1333, 90.1784, 68.2302



Deuteranopia

86.7196, 90.2552, 84.8019



Tritanopia

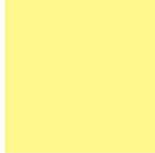
89.1886, 90.2956, 100.7237

Trichromacy



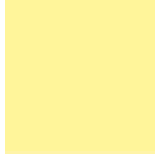
Original Color

75.9590, 90.3431, 14.5969



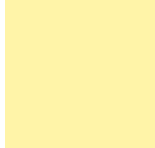
Protanomaly

79.0882, 89.6165, 37.1741



Deuteranomaly

79.7251, 88.8979, 43.5289



Tritanomaly

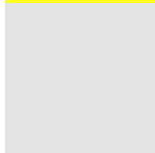
80.6586, 88.7885, 49.9325

Monochromacy



Original Color

75.9590, 90.3431, 14.5969



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.8369, 80.3620, 42.7883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.9590, 90.3431, 14.5969 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(255, 251, 29)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 29)  
}
```

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(255, 251, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 29) }
```

Border

The CSS property to change the border of an element to XYZ 75.9590, 90.3431, 14.5969 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(255, 251, 29) }
```


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

```
.border{ border-color:rgb(255, 251, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 29);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 75.9590, 90.3431, 14.5969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 29) }
```

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

```
.background{ background-color: rgb(255,  
251, 29) }
```

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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