

Converting Colors

XYZ(80.9918, 81.9106, 14.5724)

Have a look what the booklet for
XYZ(80.9918, 81.9106, 14.5724)
contains.

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Color

**XYZ(69.0121, 75.8830,
14.0272)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE232
RGB	255, 226, 50
RGB Percent	100%, 89%, 20%
CMY	0.0000, 0.1137, 0.8039
CMYK	0.00, 0.11, 0.80, 0.00
HSL	52°, 100%, 60%
HSV	52°, 80%, 100%
XYZ	69.0121, 75.8830, 14.0272
YIQ	214.6070, 73.7800, -48.5880

Conversions

Conversions Part 2

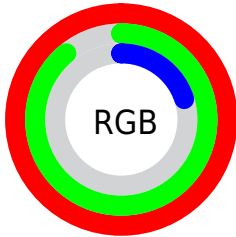
Format	Color
R _Y B	84, 255, 50
Decimal	16769586
CIE Lab	89.80, -6.66, 81.41
CIE LCh	90, 81.683, 94.675
Yxy	75.8830, 0.4343, 0.4775
Android (android.graphics.Color)	4294959666 (0xFFFFE232)
YUV	214.6070, -81.1513, 35.4247
Hunter-Lab	87.1108, -11.0304, 51.4303

Details

The XYZ color **69.0121, 75.8830, 14.0272** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **22.1617, 13.4903, 96.0429**, and the grayscale version is **64.8241, 68.2000, 74.2698**.

A 20% lighter version of the original color is **79.9246, 93.9499, 29.2509**, and **36.8110, 40.5952, 5.8955** is the 20% darker color. If you saturate the color by 10%, you get **67.6376, 73.7834, 11.5689**, and if you desaturate by 10%, it is **70.7165, 78.1535, 18.1061**.

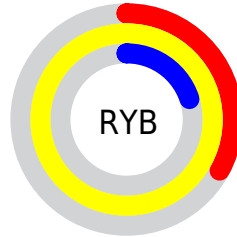
Distribution



Red (100%)

Green (89%)

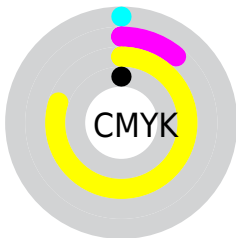
Blue (20%)



Red (33%)

Yellow (100%)

Blue (20%)

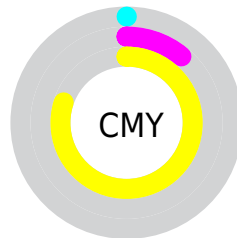


Cyan (0%)

Magenta (11%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0121, 75.8830, 14.0272 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 69.0121, 75.8830, 14.0272 by changing the saturation by 10% instead.

69.0121, 75.8830,
14.0272

69.0121, 75.8830,
14.0272

446.3944,
480.9471, 228.8343

50.9982, 56.3366,
8.0006

116.8328,
127.5615, 33.8551

36.4282, 40.4728,
4.0076

147.3704,
160.4624, 48.4935

24.9368, 27.9074,
1.6295

182.8133,
198.5835, 66.8396

16.1584, 18.2559,
0.3117

223.5268,
242.3093, 89.3119

9.7279, 11.1338,
0.0000

269.8763,
292.0242, 116.3290

5.2798, 6.1569,
0.0000

322.2272,

2.4488, 2.9407,

348.1125, 148.3094

0.0000

380.9447,
410.9587, 185.6717

■ 0.8695, 1.1009,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.0121, 75.8830,
14.0272

■ 69.0121, 75.8830,
14.0272

■ 67.6376, 73.7834,
11.5689

■ 70.7165, 78.1535,
18.1061

■ 66.5540, 71.8885,
10.3681

■ 72.7903, 80.6020,
24.0353

■ 75.2724, 83.2472,
32.0120

■ 78.1955, 86.1025,
42.2073

■ 81.5888, 89.1796,
54.7741

■ 85.4788, 92.4893,
69.8518

■ 89.8900, 96.0417,
87.5691

94.8454, 99.8462,
108.0457

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.



90.0046, 75.8830, 17.4273



69.0121, 75.8830, 14.0272



52.2470, 75.8830, 20.8329

Triad

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



69.0121, 75.8830, 14.0272



44.7172, 75.8830, 163.2184



113.1314, 75.8830, 139.7748

Complementary

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



69.0121, 75.8830, 14.0272



22.1617, 13.4903, 96.0429

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.



96.4953, 75.8830, 211.6396



69.0121, 75.8830, 14.0272



56.7846, 75.8830, 229.0285

Square

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



69.0121, 75.8830, 14.0272



39.9839, 75.8830, 92.0029



75.3291, 75.8830, 249.9559



118.0554, 75.8830, 73.9046

Rectangle

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



69.0121, 75.8830, 14.0272



44.9010, 75.8830, 33.6292



75.3291, 75.8830, 249.9559



108.5890, 75.8830, 164.8501

Sweetspot

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



69.0138, 75.8866, 14.0287



84.0158, 91.2673, 64.1095



43.8568, 24.1322, 10.0833



17.6878, 19.2833, 12.5802



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.



69.0138, 75.8866, 14.0287



66.9882, 72.6670, 10.7884



55.9242, 81.8481, 15.8693



19.3293, 20.6268, 19.1069



34.8603, 37.7317, 5.4456



3.4517, 3.7888, 0.5494

Inverse Universe

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



22.1617, 13.4903, 96.0429



19.1093, 9.1491, 95.3665



27.1822, 13.6216, 95.8036



17.2102, 17.7920, 22.7771



9.8246, 4.5587, 49.7967



1.0162, 0.5631, 4.8684

Previews

White Background



This preview shows how the XYZ color 69.0121, 75.8830, 14.0272 looks on a white background.

Color Contrast Check

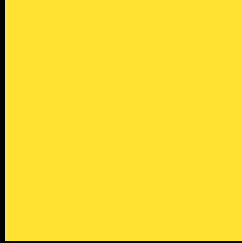
Large Text (above 18pt) WCAG AA × Fail

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 69.0121, 75.8830, 14.0272 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 69.0121, 75.8830, 14.0272

Background



This preview shows how black text looks on a background with the XYZ color 69.0121, 75.8830, 14.0272.



This preview shows how white text looks on a background with the XYZ color 69.0121, 75.8830,

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

69.0121, 75.8830, 14.0272

Protanopia

68.6451, 75.6938, 14.0100

Deuteranopia

74.6393, 75.9900, 50.2688



Tritanopia

79.6610, 75.9178, 83.1281

Trichromacy



Original Color

69.0121, 75.8830, 14.0272

Protanomaly

68.6451, 75.6938, 14.0100



Deuteranomaly

71.5240, 75.5939, 31.2434



Tritanomaly

73.4441, 75.0907, 45.2734

Monochromacy



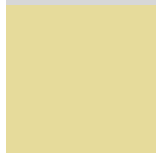
Original Color

69.0121, 75.8830, 14.0272



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

63.8810, 69.8526, 41.1264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0121, 75.8830, 14.0272 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, 226, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 50)  
}
```

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, 226, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 50) }
```

Border

The CSS property to change the border of an element to XYZ 69.0121, 75.8830, 14.0272 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, 226, 50) }
```


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

```
.border{ border-color:rgb(255, 226, 50) }
```

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

Here you see how a box with a 4 pixel rgb(255, 226, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0121, 75.8830, 14.0272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 50) }
```

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

```
.background{ background-color: rgb(255,  
226, 50) }
```

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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