

Converting Colors

XYZ(66.5314, 75.3596, 14.3313)

Have a look what the booklet for
XYZ(66.5314, 75.3596, 14.3313)
contains.

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Color

**XYZ(66.7210, 75.5089,
14.3069)**

Conversions

Conversions Part 1

Format	Color
Hex	F7E434
RGB	247, 228, 52
RGB Percent	97%, 89%, 20%
CMY	0.0314, 0.1059, 0.7960
CMYK	0.00, 0.08, 0.79, 0.03
HSL	54°, 92%, 59%
HSV	54°, 79%, 97%
XYZ	66.7210, 75.5089, 14.3069
YIQ	213.6170, 67.8200, -50.7080

Conversions

Conversions Part 2

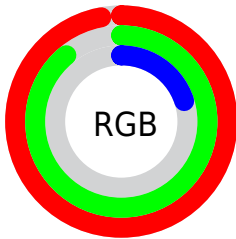
Format	Color
R_{YB}	73, 247, 52
Decimal	16245812
CIE _{Lab}	89.63, -10.94, 80.44
CIE _{LCh}	90, 81.184, 97.741
Yxy	75.5089, 0.4262, 0.4824
Android (android.graphics.Color)	4294435892 (0xFFFF7E434)
YUV	213.6170, -79.6772, 29.2769
Hunter-Lab	86.8959, -15.0106, 51.0653

Details

The XYZ color **66.7210, 75.5089, 14.3069** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **20.4582, 11.9521, 89.2237**, and the grayscale version is **64.1477, 67.4884, 73.4949**.

A 20% lighter version of the original color is **80.0373, 93.9949, 29.8440**, and **35.1933, 40.3262, 5.9289** is the 20% darker color. If you saturate the color by 10%, you get **65.6468, 74.0305, 11.8850**, and if you desaturate by 10%, it is **68.0985, 77.1292, 18.2654**.

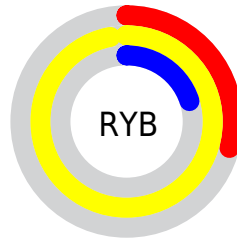
Distribution



Red (97%)

Green (89%)

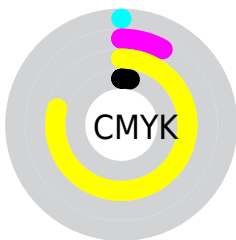
Blue (20%)



Red (29%)

Yellow (97%)

Blue (20%)

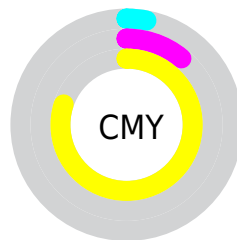


Cyan (0%)

Magenta (8%)

Yellow (79%)

Black (3%)



Cyan (3%)

Magenta (11%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7210, 75.5089, 14.3069 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 66.7210, 75.5089, 14.3069 by changing the saturation by 10% instead.

66.7210, 75.5089,
14.3069

66.7210, 75.5089,
14.3069

438.3991,
479.6649, 230.6262

49.1278, 56.0299,
8.1932

113.5725,
127.0325, 34.3575

34.9358, 40.2269,
4.1293

143.5616,
159.8458, 49.1316

23.7797, 27.7155,
1.6965

178.4133,
197.8728, 67.6295

15.2941, 18.1113,
0.3584

218.4930,
241.4977, 90.2698

9.1137, 11.0299,
0.0000

264.1661,
291.1049, 117.4712

4.8732, 6.0870,
0.0000

315.7979,

2.2070, 2.8980,

347.0790, 149.6520

0.0000

373.7538,
409.8042, 187.2308

■ 0.7464, 1.0787,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.7210, 75.5089,
14.3069

■ 66.7210, 75.5089,
14.3069

■ 65.6468, 74.0305,
11.8850

■ 68.0985, 77.1292,
18.2654

■ 64.8116, 72.6594,
10.6836

■ 69.8140, 78.8966,
23.9658

■ 64.7294, 72.5179,
10.5857

■ 71.9028, 80.8282,
31.5867

■ 74.3946, 82.9359,
41.2834

■ 77.3159, 85.2303,
53.1953

■ 80.6908, 87.7213,
67.4496

■ 84.5417, 90.4177,
84.1643

■ 88.8895, 93.3280,
103.4488

■ 90.4872, 95.1535,
108.2050

Harmonies

Analogous

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



87.3154, 75.5089, 16.6674



66.7210, 75.5089, 14.3069



50.7415, 75.5089, 22.3184

Triad

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



66.7210, 75.5089, 14.3069



45.4896, 75.5089, 169.5481



113.4847, 75.5089, 131.2921

Complementary

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



66.7210, 75.5089, 14.3069



20.4582, 11.9521, 89.2237

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.



97.9258, 75.5089, 203.4122



66.7210, 75.5089, 14.3069



58.1869, 75.5089, 231.7239

Square

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



66.7210, 75.5089, 14.3069



40.0533, 75.5089, 97.9332



77.0653, 75.5089, 246.3706



116.9270, 75.5089, 68.2780

Rectangle

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



66.7210, 75.5089, 14.3069



43.9531, 75.5089, 36.3871



77.0653, 75.5089, 246.3706



109.3753, 75.5089, 155.9709

Sweetspot

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



66.7227, 75.5125, 14.3084



84.8429, 92.9215, 64.3852



40.7395, 22.6921, 8.2797



17.8899, 19.6876, 12.6476



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.



66.7227, 75.5125, 14.3084



70.0003, 78.6669, 11.8672



50.2433, 75.2043, 15.1175



17.7686, 19.0214, 17.5326



34.2922, 38.4701, 5.6181



3.0532, 3.4596, 0.5069

Inverse Universe

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



20.4582, 11.9521, 89.2237



18.8537, 8.5864, 95.2714



27.2233, 13.9182, 89.2467



15.7110, 16.1862, 20.8388



9.0973, 3.9884, 46.8284



0.8424, 0.4362, 4.1300

Previews

White Background



This preview shows how the XYZ color 66.7210, 75.5089, 14.3069 looks on a white background.

Color Contrast Check

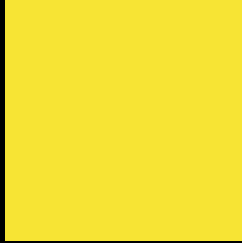
Large Text (above 18pt) WCAG AA × Fail

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 66.7210, 75.5089, 14.3069 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 66.7210, 75.5089, 14.3069

Background



This preview shows how black text looks on a background with the XYZ color 66.7210, 75.5089, 14.3069.

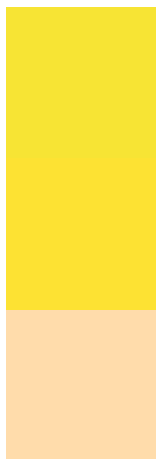


This preview shows how white text looks on a background with the XYZ color 66.7210, 75.5089,

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

66.7210, 75.5089, 14.3069

Protanopia

68.3019, 75.5144, 14.1078

Deuteranopia

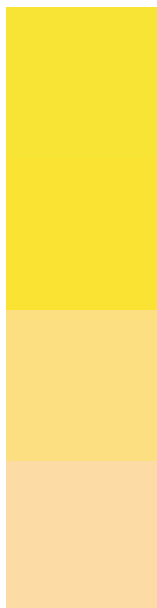
74.1839, 75.3867, 49.1692



Tritanopia

79.5440, 75.4623, 83.7720

Trichromacy



Original Color

66.7210, 75.5089, 14.3069

Protanomaly

67.8503, 75.6864, 14.1648

Deuteranomaly

70.4288, 75.0293, 31.1922

Tritanomaly

72.4389, 74.5622, 45.6960

Monochromacy



Original Color

66.7210, 75.5089, 14.3069

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

62.6119, 69.1983, 41.0670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7210, 75.5089, 14.3069 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(247, 228, 52)` looks like.

```
.text, #text, p{  
    color:rgb(247, 228, 52)  
}
```

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(247, 228, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 228, 52) }
```

Border

The CSS property to change the border of an element to XYZ 66.7210, 75.5089, 14.3069 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(247, 228, 52) }
```


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

```
.border{ border-color:rgb(247, 228, 52) }
```

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

Here you see how a box with a 4 pixel rgb(247, 228, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 228, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 228, 52);  
box-shadow:4px 4px 4px 4px rgb(247, 228,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7210, 75.5089, 14.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 228, 52) }
```

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

```
.background{ background-color: rgb(247,  
228, 52) }
```

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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