

Converting Colors

XYZ(66.6562, 75.3100, 13.1203)

Have a look what the booklet for
XYZ(66.6562, 75.3100, 13.1203)
contains.

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Color

**XYZ(66.8550, 75.6034,
13.1671)**

Conversions

Conversions Part 1

Format	Color
Hex	F8E429
RGB	248, 228, 41
RGB Percent	97%, 89%, 16%
CMY	0.0275, 0.1059, 0.8392
CMYK	0.00, 0.08, 0.83, 0.03
HSL	54°, 94%, 57%
HSV	54°, 83%, 97%
XYZ	66.8550, 75.6034, 13.1671
YIQ	212.6620, 71.9470, -53.9170

Conversions

Conversions Part 2

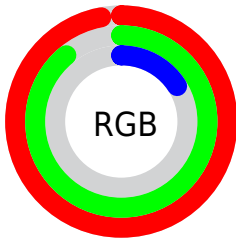
Format	Color
RYB	63, 248, 41
Decimal	16311337
CIELab	89.67, -10.83, 83.30
CIELCh	90, 83.997, 97.407
Yxy	75.6034, 0.4296, 0.4858
Android (android.graphics.Color)	4294501417 (0xFFFF8E429)
YUV	212.6620, -84.6294, 30.9914
Hunter-Lab	86.9502, -14.9163, 51.8867

Details

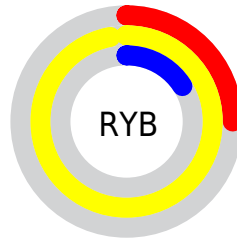
The XYZ color **66.8550, 75.6034, 13.1671** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **19.5268, 10.5866, 89.8203**, and the grayscale version is **63.5362, 66.8450, 72.7942**.

A 20% lighter version of the original color is **79.6015, 93.8206, 27.5494**, and **35.4371, 40.4519, 5.9403** is the 20% darker color. If you saturate the color by 10%, you get **65.8970, 74.1760, 11.3427**, and if you desaturate by 10%, it is **68.0977, 77.1651, 16.4301**.

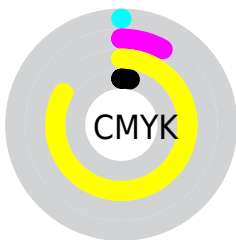
Distribution



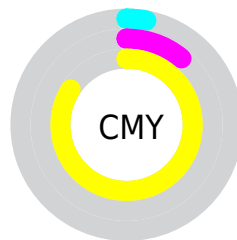
- Red (97%)
- Green (89%)
- Blue (16%)



- Red (25%)
- Yellow (97%)
- Blue (16%)



- Cyan (0%)
- Magenta (8%)
- Yellow (83%)
- Black (3%)



- Cyan (3%)
- Magenta (11%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8550, 75.6034, 13.1671 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 66.8550, 75.6034, 13.1671 by changing the saturation by 10% instead.

66.8550, 75.6034,
13.1671

66.8550, 75.6034,
13.1671

438.8691,
479.9890, 223.2311

49.2371, 56.1074,
7.4116

113.7636,
127.1661, 32.2992

35.0229, 40.2890,
3.6385

143.7849,
160.0016, 46.5130

23.8471, 27.7640,
1.4292

178.6714,
198.0524, 64.3833

15.3444, 18.1478,
0.1643

218.7885,
241.7028, 86.3286

9.1493, 11.0561,
0.0000

264.5014,
291.3373, 112.7675

4.8966, 6.1046,
0.0000

316.1756,

2.2208, 2.9088,

347.3402, 144.1185

0.0000

374.1763,
410.0960, 180.8002

■ 0.7537, 1.0843,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.8550, 75.6034,
13.1671

■ 66.8550, 75.6034,
13.1671

■ 65.8970, 74.1760,
11.3427


■ 68.0977, 77.1651,
16.4301


■ 65.3790, 73.2922,
10.7010

■ 69.6642, 78.8681,
21.3609


■ 71.5927, 80.7306,
28.1528


■ 73.9148, 82.7654,
36.9716

 76.6586, 84.9836,
47.9650

 79.8494, 87.3955,
61.2665

 83.5107, 90.0106,
76.9993

 87.6641, 92.8376,
95.2777

 90.8115, 95.2772,
108.2118

Harmonies

Analogous

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



88.2394, 75.6034, 15.5977



66.8550, 75.6034, 13.1671



50.3139, 75.6034, 20.9577

Triad

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



66.8550, 75.6034, 13.1671



44.6803, 75.6034, 172.6574



115.1651, 75.6034, 134.2647

Complementary

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



66.8550, 75.6034, 13.1671



19.5268, 10.5866, 89.8203

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.



98.8141, 75.6034, 209.9187



66.8550, 75.6034, 13.1671



57.6423, 75.6034, 238.5217

Square

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



66.8550, 75.6034, 13.1671



39.2063, 75.6034, 97.8853



77.1062, 75.6034, 254.7024



118.9294, 75.6034, 68.4977

Rectangle

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



66.8550, 75.6034, 13.1671



43.2998, 75.6034, 34.9598



77.1062, 75.6034, 254.7024



110.8251, 75.6034, 160.1395

Sweetspot

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



66.8567, 75.6070, 13.1686



84.4986, 92.6868, 62.8714



40.3658, 21.8874, 6.6128



17.8241, 19.6426, 12.3583



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.



66.8567, 75.6070, 13.1686



69.6401, 78.0602, 11.3967



49.5269, 75.3155, 14.0257



18.5757, 19.8872, 18.3220



35.3757, 39.7081, 5.7999



3.3168, 3.7584, 0.5506

Inverse Universe

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



19.5268, 10.5866, 89.8203



18.3898, 7.8995, 95.1633



26.0205, 12.6344, 89.8733



16.4179, 16.9125, 21.7844



9.3727, 4.1011, 48.2711



0.9119, 0.4674, 4.4853

Previews

White Background



This preview shows how the XYZ color 66.8550, 75.6034, 13.1671 looks on a white background.

Color Contrast Check

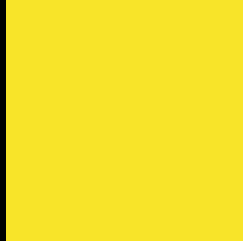
Large Text (above 18pt) WCAG AA × Fail

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 66.8550, 75.6034, 13.1671 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 66.8550, 75.6034, 13.1671

Background



This preview shows how black text looks on a background with the XYZ color 66.8550, 75.6034, 13.1671.

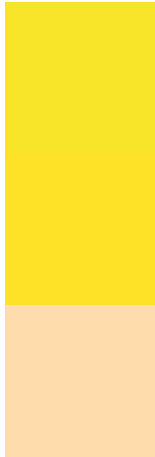


This preview shows how white text looks on a background with the XYZ color 66.8550, 75.6034,

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

66.8550, 75.6034, 13.1671

Protanopia

68.4524, 75.6167, 12.9951

Deuteranopia

74.1839, 75.3867, 49.1692



Tritanopia

79.5440, 75.4623, 83.7720

Trichromacy



Original Color

66.8550, 75.6034, 13.1671

Protanomaly

67.9970, 75.7868, 13.0520



Deuteranomaly

70.1707, 74.9260, 29.8326



Tritanomaly

72.0832, 74.4199, 43.8230

Monochromacy



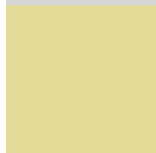
Original Color

66.8550, 75.6034, 13.1671



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

61.9405, 68.5136, 38.8140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8550, 75.6034, 13.1671 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(248, 228, 41)` looks like.

```
.text, #text, p{  
    color:rgb(248, 228, 41)  
}
```

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(248, 228, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 228, 41) }
```

Border

The CSS property to change the border of an element to XYZ 66.8550, 75.6034, 13.1671 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(248, 228, 41) }
```


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

```
.border{ border-color:rgb(248, 228, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 228, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 228, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 228, 41);  
box-shadow:4px 4px 4px 4px rgb(248, 228,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8550, 75.6034, 13.1671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 228, 41) }
```

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

```
.background{ background-color: rgb(248,  
228, 41) }
```

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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