

Converting Colors

XYZ(67.5971, 71.4037, 18.6398)

Have a look what the booklet for
XYZ(67.5971, 71.4037, 18.6398)
contains.

XYZ(67.6531, 71.5258, 18.6277)	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(67.6531, 71.5258,
18.6277)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD954
RGB	255, 217, 84
RGB Percent	100%, 85%, 33%
CMY	0.0000, 0.1490, 0.6706
CMYK	0.00, 0.15, 0.67, 0.00
HSL	47°, 100%, 66%
HSV	47°, 67%, 100%
XYZ	67.6531, 71.5258, 18.6277
YIQ	213.2000, 65.3410, -33.3070

Conversions

Conversions Part 2

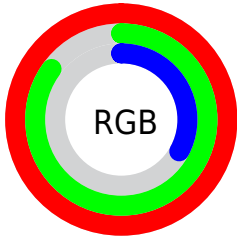
Format	Color
RYB	133, 255, 84
Decimal	16767316
CIELab	87.74, -0.72, 67.83
CIELCh	88, 67.838, 90.612
Yxy	71.5258, 0.4287, 0.4532
Android (android.graphics.Color)	4294957396 (0xFFFFD954)
YUV	213.2000, -63.6956, 36.6586
Hunter-Lab	84.5729, -5.2137, 46.1421

Details

The XYZ color **67.6531, 71.5258, 18.6277** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **28.6656, 23.0233, 97.5403**, and the grayscale version is **63.7640, 67.0847, 73.0552**.

A 20% lighter version of the original color is **81.6602, 94.6441, 38.3903**, and **35.7382, 37.8506, 6.1318** is the 20% darker color. If you saturate the color by 10%, you get **65.3955, 68.3287, 13.8126**, and if you desaturate by 10%, it is **70.3276, 74.9754, 25.3758**.

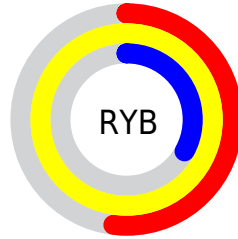
Distribution



Red (100%)

Green (85%)

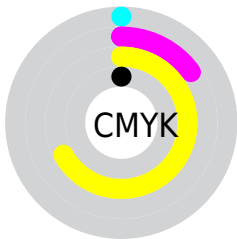
Blue (33%)



Red (52%)

Yellow (100%)

Blue (33%)

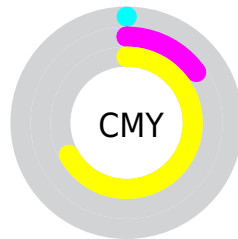


Cyan (0%)

Magenta (15%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.6531, 71.5258, 18.6277 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 67.6531, 71.5258, 18.6277 by changing the saturation by 10% instead.


 67.6531, 71.5258,
18.6277


 67.6531, 71.5258,
18.6277


441.6620,
465.8894, 256.7395

 49.8882, 52.7714,
11.2275


 114.9004,
121.3821, 41.9323


 35.5420, 37.6203,
6.1040


 145.1135,
153.2528, 58.6738

 24.2492, 25.6881,
2.8386


 180.2067,
190.2644, 79.3662

 15.6443, 16.5905,
1.0128

 220.5454,
232.8012, 104.4279

 9.3620, 9.9429,
0.0000

266.4949,
281.2478, 134.2776

 5.0371, 5.3611,
0.0000

318.4206,

 2.3040, 2.4607,

335.9884, 169.3337

0.0000

376.6878,
397.4075, 210.0149

■ 0.7967, 0.8568,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.6531, 71.5258,
18.6277

■ 67.6531, 71.5258,
18.6277

■ 65.3955, 68.3287,
13.8126

■ 70.3276, 74.9754,
25.3758

■ 63.5076, 65.3562,
10.7070

■ 73.4498, 78.6823,
34.2392

■ 61.9374, 62.5893,
9.0320

■ 77.0530, 82.6635,
45.3839

■ 61.5122, 61.8047,
8.6875

■ 81.1660, 86.9310,
58.9581

■ 85.8149, 91.4962,
75.0974

■ 91.0239, 96.3695,
93.9275

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



84.3251, 71.5258, 23.3738



67.6531, 71.5258, 18.6277



53.4129, 71.5258, 23.8008

Triad

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



67.6531, 71.5258, 18.6277



44.6795, 71.5258, 132.2800



98.6637, 71.5258, 129.9594

Complementary

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



67.6531, 71.5258, 18.6277



28.6656, 23.0233, 97.5403

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.



84.9878, 71.5258, 181.7464



67.6531, 71.5258, 18.6277



53.9019, 71.5258, 183.4171

Square

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



67.6531, 71.5258, 18.6277



41.4998, 71.5258, 78.8300



68.3142, 71.5258, 204.3422



103.8538, 71.5258, 76.9366

Rectangle

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



67.6531, 71.5258, 18.6277



46.7638, 71.5258, 34.0959



68.3142, 71.5258, 204.3422



94.8103, 71.5258, 148.7303

Sweetspot

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



67.6548, 71.5292, 18.6291



84.3901, 90.1217, 70.0741



48.0424, 29.0540, 22.1125



17.7812, 19.0139, 14.0177



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.



67.6548, 71.5292, 18.6291



64.8038, 67.4315, 12.7320



63.7682, 85.7736, 21.5834



19.1987, 20.3657, 19.0634



32.2578, 32.5269, 4.5782



3.2211, 3.3276, 0.4725

Inverse Universe

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



28.6656, 23.0233, 97.5403



23.6279, 16.3491, 96.5181



30.3657, 18.2758, 96.5343



17.3303, 18.0321, 22.8171



10.2771, 5.4637, 49.9475



1.0776, 0.6858, 4.8889

Previews

White Background



This preview shows how the XYZ color 67.6531, 71.5258, 18.6277 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 67.6531, 71.5258, 18.6277 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 67.6531, 71.5258, 18.6277

Background



This preview shows how black text looks on a background with the XYZ color 67.6531, 71.5258, 18.6277.



This preview shows how white text looks on a background with the XYZ color 67.6531, 71.5258,

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

67.6531, 71.5258, 18.6277

Protanopia

65.2389, 71.4351, 18.9442

Deuteranopia

70.9506, 71.2151, 41.0167



Tritanopia

76.5821, 71.4862, 76.7797

Trichromacy



Original Color

67.6531, 71.5258, 18.6277

Protanomaly

66.0381, 71.4586, 18.9066

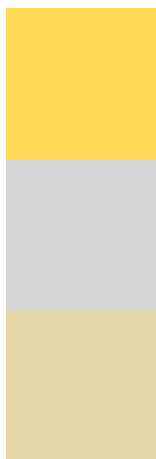
Deuteranomaly

69.2490, 70.9381, 30.8115

Tritanomaly

71.7900, 70.7508, 47.9027

Monochromacy



Original Color

67.6531, 71.5258, 18.6277

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

62.9244, 67.3403, 45.7579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6531, 71.5258, 18.6277 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, 217, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 84)  
}
```

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, 217, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 84) }
```

Border

The CSS property to change the border of an element to XYZ 67.6531, 71.5258, 18.6277 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, 217, 84) }
```


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

```
.border{ border-color:rgb(255, 217, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6531, 71.5258, 18.6277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 84) }
```

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

```
.background{ background-color: rgb(255,  
217, 84) }
```

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