

Converting Colors

XYZ(68.2242, 73.7849, 17.1606)

Have a look what the booklet for
XYZ(68.2242, 73.7849, 17.1606)
contains.

XYZ(68.2304, 73.8078, 17.1288)	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(68.2304, 73.8078,
17.1288)**

Conversions

Conversions Part 1

Format	Color
Hex	FEDE4A
RGB	254, 222, 74
RGB Percent	100%, 87%, 29%
CMY	0.0039, 0.1294, 0.7098
CMYK	0.00, 0.13, 0.71, 0.00
HSL	49°, 99%, 64%
HSV	49°, 71%, 100%
XYZ	68.2304, 73.8078, 17.1288
YIQ	214.6960, 66.5800, -39.2440

Conversions

Conversions Part 2

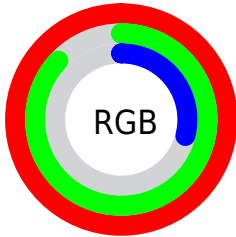
Format	Color
RYB	113, 254, 74
Decimal	16703050
CIELab	88.83, -4.16, 72.78
CIELCh	89, 72.897, 93.275
Yxy	73.8078, 0.4287, 0.4637
Android (android.graphics.Color)	4294893130 (0xFFFEDE4A)
YUV	214.6960, -69.3631, 34.4696
Hunter-Lab	85.9115, -8.5814, 48.3169

Details

The XYZ color **68.2304, 73.8078, 17.1288** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **25.8675, 18.9194, 96.0539**, and the grayscale version is **64.8103, 68.1855, 74.2540**.

A 20% lighter version of the original color is **81.0967, 94.4187, 35.4231**, and **35.8110, 38.9749, 5.6355** is the 20% darker color. If you saturate the color by 10%, you get **66.3588, 71.1689, 13.1017**, and if you desaturate by 10%, it is **70.4827, 76.6561, 22.9874**.

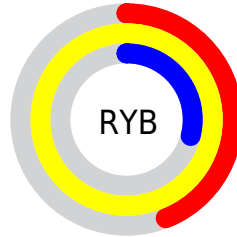
Distribution



Red (100%)

Green (87%)

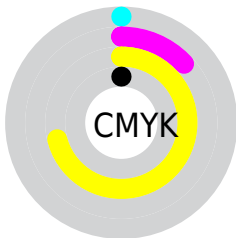
Blue (29%)



Red (44%)

Yellow (100%)

Blue (29%)

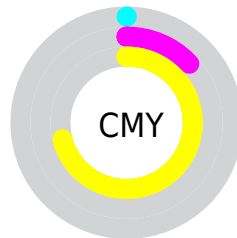


Cyan (0%)

Magenta (13%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.2304, 73.8078, 17.1288 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 68.2304, 73.8078, 17.1288 by changing the saturation by 10% instead.


 68.2304, 73.8078,
17.1288


 68.2304, 73.8078,
17.1288


443.6758,
473.8098, 247.9826


 50.3596, 54.6367,
10.1634


 115.7218,
124.6233, 39.3408


 35.9181, 39.1110,
5.4004


 146.0730,
157.0366, 55.4245


 24.5408, 26.8461,
2.4213


 181.3151,
194.6327, 75.3847

 15.8622, 17.4576,
0.7980

 221.8135,
237.7960, 99.6400

 9.5169, 10.5613,
0.0000

 267.9333,
286.9110, 128.6089

 5.1396, 5.7727,
0.0000

320.0401,

 2.3650, 2.7074,

342.3620, 162.7099

0.0000

378.4992,
404.5335, 202.3616

■ 0.8276, 0.9809,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.2304, 73.8078,
17.1288

■ 68.2304, 73.8078,
17.1288

■ 66.3588, 71.1689,
13.1017

■ 70.4827, 76.6561,
22.9874

■ 64.8181, 68.7106,
10.6676

■ 73.1481, 79.7184,
30.8687

■ 63.6372, 66.5995,
9.5009

■ 76.2606, 83.0118,
40.9443

■ 79.8496, 86.5483,
53.3666

■ 83.9415, 90.3390,
68.2743

■ 88.5609, 94.3938,
85.7953

■ 93.7305, 98.7225,
106.0485

■ 94.6828, 99.8107,
108.8828

Harmonies

Analogous

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



86.5555, 73.8078, 21.0439



68.2304, 73.8078, 17.1288



53.1241, 73.8078, 23.4003

Triad

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



68.2304, 73.8078, 17.1288



45.4227, 73.8078, 146.3899



105.0570, 73.8078, 132.5038

Complementary

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



68.2304, 73.8078, 17.1288



25.8675, 18.9194, 96.0539

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.



90.4777, 73.8078, 192.1524



68.2304, 73.8078, 17.1288



55.9643, 73.8078, 202.2567

Square

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



68.2304, 73.8078, 17.1288



41.4216, 73.8078, 86.0477



72.1095, 73.8078, 221.7786



109.8017, 73.8078, 74.9365

Rectangle

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



68.2304, 73.8078, 17.1288



46.3060, 73.8078, 35.1145



72.1095, 73.8078, 221.7786



101.0359, 73.8078, 153.6605

Sweetspot

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



68.2321, 73.8113, 17.1303



84.6340, 91.0950, 68.6587



45.9760, 27.0306, 16.7053



17.8604, 19.2666, 13.7535



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.



68.2321, 73.8113, 17.1303



66.2715, 70.7567, 12.0195



59.7041, 83.2482, 19.4013



19.2704, 20.5091, 19.0873



33.6492, 35.3097, 5.0420



3.3449, 3.5752, 0.5138

Inverse Universe

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



25.8675, 18.9194, 96.0539



21.4968, 12.9133, 95.9672



29.6990, 16.8795, 95.4582



17.2640, 17.8996, 22.7950



10.0033, 4.9163, 49.8563



1.0418, 0.6143, 4.8769

Previews

White Background



This preview shows how the XYZ color 68.2304, 73.8078, 17.1288 looks on a white background.

Color Contrast Check

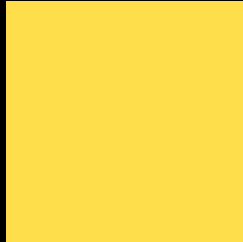
Large Text (above 18pt) WCAG AA × Fail

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 68.2304, 73.8078, 17.1288 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 68.2304, 73.8078, 17.1288

Background



This preview shows how black text looks on a background with the XYZ color 68.2304, 73.8078, 17.1288.

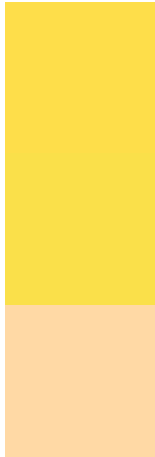


This preview shows how white text looks on a background with the XYZ color 68.2304, 73.8078,

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

68.2304, 73.8078, 17.1288

Protanopia

67.3160, 74.1297, 17.2391

Deuteranopia

72.8444, 73.6023, 45.9647



Tritanopia

78.2380, 73.7288, 80.6285

Trichromacy



Original Color

68.2304, 73.8078, 17.1288

Protanomaly

67.4074, 73.7790, 17.1666

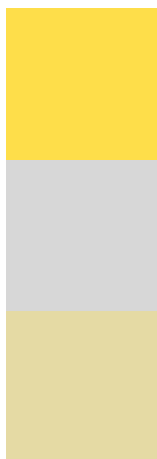
Deuteranomaly

70.7364, 73.5890, 32.3057

Tritanomaly

72.9573, 73.2363, 47.8269

Monochromacy



Original Color

68.2304, 73.8078, 17.1288

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.0853, 69.4812, 45.1555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2304, 73.8078, 17.1288 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(254, 222, 74)` looks like.

```
.text, #text, p{  
    color:rgb(254, 222, 74)  
}
```

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(254, 222, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 222, 74) }
```

Border

The CSS property to change the border of an element to XYZ 68.2304, 73.8078, 17.1288 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(254, 222, 74) }
```


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

```
.border{ border-color:rgb(254, 222, 74) }
```

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

Here you see how a box with a 4 pixel rgb(254, 222, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 222, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 222, 74);  
box-shadow:4px 4px 4px 4px rgb(254, 222,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2304, 73.8078, 17.1288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 222, 74) }
```

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

```
.background{ background-color: rgb(254,  
222, 74) }
```

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