

Converting Colors

XYZ(73.2871, 84.8921, 14.0367)

Have a look what the booklet for
XYZ(73.2871, 84.8921, 14.0367)
contains.

XYZ(73.2809, 84.8798, 14.0345)	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(73.2809, 84.8798,
14.0345)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF222
RGB	255, 242, 34
RGB Percent	100%, 95%, 13%
CMY	0.0000, 0.0510, 0.8666
CMYK	0.00, 0.05, 0.87, 0.00
HSL	56°, 100%, 57%
HSV	56°, 87%, 100%
XYZ	73.2809, 84.8798, 14.0345
YIQ	222.1750, 74.5160, -61.9320

Conversions

Conversions Part 2

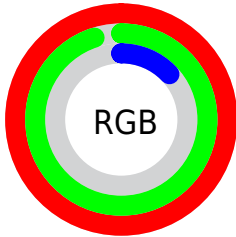
Format	Color
R _Y B	48, 255, 34
Decimal	16773666
CIE Lab	93.83, -14.93, 88.34
CIE LCh	94, 89.589, 99.593
Yxy	84.8798, 0.4256, 0.4929
Android (android.graphics.Color)	4294963746 (0xFFFFFFFF222)
YUV	222.1750, -92.7703, 28.7875
Hunter-Lab	92.1302, -19.2480, 55.4593

Details

The XYZ color **73.2809, 84.8798, 14.0345** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **19.7268, 9.5938, 95.4191**, and the grayscale version is **70.1564, 73.8100, 80.3791**.

A 20% lighter version of the original color is **79.5498, 93.7999, 27.2771**, and **39.8070, 46.5871, 6.8942** is the 20% darker color. If you saturate the color by 10%, you get **72.5961, 83.8981, 12.6122**, and if you desaturate by 10%, it is **74.2448, 85.9855, 16.8916**.

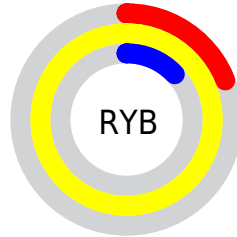
Distribution



Red (100%)

Green (95%)

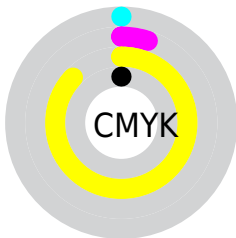
Blue (13%)



Red (19%)

Yellow (100%)

Blue (13%)

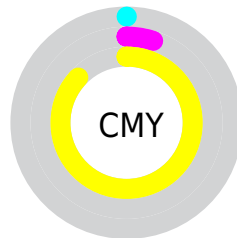


Cyan (0%)

Magenta (5%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.2809, 84.8798, 14.0345 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 73.2809, 84.8798, 14.0345 by changing the saturation by 10% instead.


 73.2809, 84.8798,
14.0345

 73.2809, 84.8798,
14.0345


461.0765,
511.2302, 228.8812

 54.4949, 63.7421,
8.0056


 122.8769,
140.2052, 33.8682


 39.2297, 46.4418,
4.0107


 154.4176,
175.1617, 48.5102


 27.1200, 32.5946,
1.6312


 190.9405,
215.4932, 66.8603

 17.8004, 21.8161,
0.3130

 232.8110,
261.5842, 89.3370

 10.9056, 13.7218,
0.0000

 280.3946,
313.8190, 116.3589

 6.0702, 7.9274,
0.0000

334.0564,

 2.9289, 4.0485,

372.5820, 148.3446

0.0000

394.1619,
438.2576, 185.7125

■ 1.1163, 1.7008,
0.0000

■ 0.0387, 0.4241,
0.0000

■ 73.2809, 84.8798,
14.0345

■ 73.2809, 84.8798,
14.0345

■ 72.5961, 83.8981,
12.6122

■ 74.2448, 85.9855,
16.8916

■ 72.4019, 83.5843,
12.3174

■ 75.5340, 87.2240,
21.4520

■ 77.1917, 88.6157,
27.9350

■ 79.2531, 90.1749,
36.5260

81.7494, 91.9139,
47.3886

84.7086, 93.8440,
60.6703

88.1563, 95.9754,
76.5061

92.1162, 98.3176,
95.0212

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



97.7229, 84.8798, 15.9354



73.2809, 84.8798, 14.0345



54.8640, 84.8798, 23.7122

Triad

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



73.2809, 84.8798, 14.0345



50.2782, 84.8798, 203.7616



131.6668, 84.8798, 146.1169

Complementary

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



73.2809, 84.8798, 14.0345



19.7268, 9.5938, 95.4191

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.



113.5289, 84.8798, 234.8282



73.2809, 84.8798, 14.0345



65.7361, 84.8798, 277.9304

Square

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



73.2809, 84.8798, 14.0345



43.4173, 84.8798, 116.0489



88.5520, 84.8798, 291.4741



134.7878, 84.8798, 72.2376

Rectangle

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



73.2809, 84.8798, 14.0345



47.2703, 84.8798, 40.6575



88.5520, 84.8798, 291.4741



126.9754, 84.8798, 175.9770

Sweetspot

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



73.2828, 84.8838, 14.0362



84.9218, 93.9793, 61.6375



42.3611, 22.6243, 5.0120



17.9434, 19.9666, 12.1353



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.



73.2828, 84.8838, 14.0362



72.4024, 83.5849, 12.3175



50.3942, 79.0304, 14.1128



19.4644, 20.8969, 19.1520



37.8713, 43.7537, 6.4493



3.7141, 4.3136, 0.6368

Inverse Universe

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



19.7268, 9.5938, 95.4191



18.2207, 7.5614, 95.1069



27.7936, 13.0928, 95.6693



17.0887, 17.5490, 22.7366



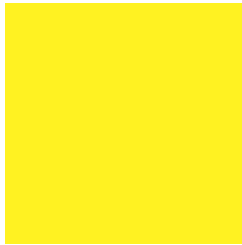
9.5540, 4.0176, 49.7065



0.9590, 0.4487, 4.8493

Previews

White Background



This preview shows how the XYZ color 73.2809, 84.8798, 14.0345 looks on a white background.

Color Contrast Check

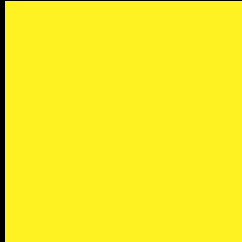
Large Text (above 18pt) WCAG AA × Fail

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 73.2809, 84.8798, 14.0345 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 73.2809, 84.8798, 14.0345

Background



This preview shows how black text looks on a background with the XYZ color 73.2809, 84.8798, 14.0345.



This preview shows how white text looks on a background with the XYZ color 73.2809, 84.8798,

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

73.2809, 84.8798, 14.0345

Protanopia

78.3361, 85.0177, 46.4637

Deuteranopia

82.0480, 84.6597, 71.6911



Tritanopia

85.5441, 84.7031, 94.2787

Trichromacy



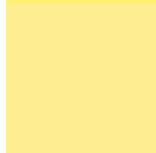
Original Color

73.2809, 84.8798, 14.0345



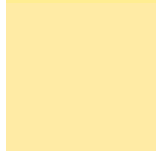
Protanomaly

75.2010, 84.2308, 28.5143



Deuteranomaly

76.6350, 83.8727, 38.9380



Tritanomaly

77.7399, 83.3933, 47.5965

Monochromacy



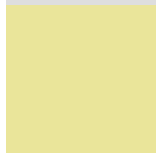
Original Color

73.2809, 84.8798, 14.0345



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

67.7837, 75.8641, 41.6425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.2809, 84.8798, 14.0345 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, 242, 34)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 34)  
}
```

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, 242, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 34) }
```

Border

The CSS property to change the border of an element to XYZ 73.2809, 84.8798, 14.0345 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, 242, 34) }
```


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

```
.border{ border-color:rgb(255, 242, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 34);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 73.2809, 84.8798, 14.0345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 34) }
```

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

```
.background{ background-color: rgb(255,  
242, 34) }
```

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