

Converting Colors

XYZ(71.2817, 85.2715, 12.7340)

Have a look what the booklet for
XYZ(71.2817, 85.2715, 12.7340)
contains.

| | |
|--|----|
| XYZ(71.3693, 85.2635, 12.7246) | 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(71.3693, 85.2635,
12.7246)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F8F501 |
| RGB | 248, 245, 1 |
| RGB Percent | 97%, 96%, 0% |
| CMY | 0.0275, 0.0392, 0.9959 |
| CMYK | 0.00, 0.01, 1.00, 0.03 |
| HSL | 59°, 99%, 49% |
| HSV | 59°, 100%, 97% |
| XYZ | 71.3693, 85.2635, 12.7246 |
| YIQ | 218.0810, 80.1120, -75.2480 |

Conversions

Conversions Part 2

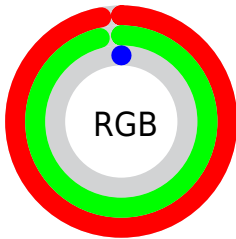
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 4, 248, 1 |
| Decimal | 16315649 |
| CIELab | 94.00, -19.66, 91.87 |
| CIELCh | 94, 93.948, 102.082 |
| Yxy | 85.2635, 0.4214, 0.5035 |
| Android (android.graphics.Color) | 4294505729 (0xFFFF8F501) |
| YUV | 218.0810, -107.0209, 26.2390 |
| Hunter-Lab | 92.3382, -23.6272, 56.4664 |

Details

The XYZ color **71.3693, 85.2635, 12.7246** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **16.9998, 6.8714, 89.2365**, and the grayscale version is **67.3780, 70.8869, 77.1959**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **38.6911, 46.9600, 7.0249** is the 20% darker color. If you saturate the color by 10%, you get **71.3618, 85.2576, 12.6952**, and if you desaturate by 10%, it is **71.6412, 85.5211, 13.6990**.

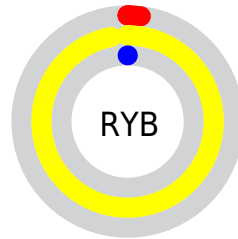
Distribution



Red (97%)

Green (96%)

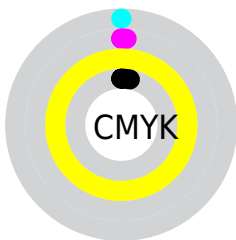
Blue (0%)



Red (2%)

Yellow (97%)

Blue (0%)

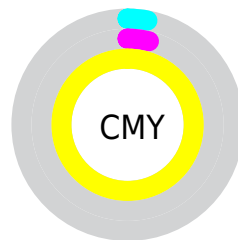


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (4%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3693, 85.2635, 12.7246 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 71.3693, 85.2635, 12.7246 by changing the saturation by 10% instead.

71.3693, 85.2635,
12.7246

71.3693, 85.2635,
12.7246

454.5352,
512.4996, 220.2905

52.9272, 64.0591,
7.1107

120.1751,
140.7413, 31.4920

37.9719, 46.6986,
3.4519

151.2695,
175.7834, 45.4826

26.1380, 32.7974,
1.3298

187.3121,
216.2070, 63.1025

17.0601, 21.9713,
0.0860

228.6683,
262.3964, 84.7703

10.3730, 13.8358,
0.0000

275.7033,
314.7359, 110.9044

5.7111, 8.0066,
0.0000

328.7825,

2.7092, 4.0991,

373.6100, 141.9235

0.0000

388.2714,
439.4031, 178.2460

■ 1.0019, 1.7292,
0.0000

■ 0.0000, 0.4424,
0.0000

■ 71.3693, 85.2635,
12.7246

■ 71.3693, 85.2635,
12.7246

■ 71.3618, 85.2576,
12.6952

■ 71.6412, 85.5211,
13.6990

■ 72.1372, 85.8653,
15.8616

■ 72.9239, 86.3260,
19.5540

■ 74.0420, 86.9196,
24.9910

■ 75.5259, 87.6596,
32.3530

■ 77.4054, 88.5582,
41.7981

■ 79.7076, 89.6261,
53.4680

■ 82.4569, 90.8730,
67.4920

■ 85.6761, 92.3082,
83.9894

Harmonies

Analogous

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



96.7836, 85.2635, 13.7158



71.3693, 85.2635, 12.7246



52.8517, 85.2635, 23.4728

Triad

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



71.3693, 85.2635, 12.7246



50.2861, 85.2635, 219.3998



136.0643, 85.2635, 142.0825

Complementary

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



71.3693, 85.2635, 12.7246



16.9998, 6.8714, 89.2365

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.



117.8044, 85.2635, 237.4992



71.3693, 85.2635, 12.7246



67.1043, 85.2635, 295.7153

Square

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



71.3693, 85.2635, 12.7246



42.4708, 85.2635, 124.8138



91.5479, 85.2635, 303.6563



137.8655, 85.2635, 66.8498

Rectangle

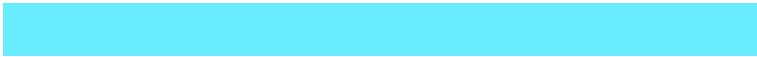
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.3693, 85.2635, 12.7246



45.4904, 85.2635, 42.0637



91.5479, 85.2635, 303.6563



131.4970, 85.2635, 173.5773

Sweetspot

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



71.3712, 85.2675, 12.7263



84.7912, 95.4245, 56.3330



38.7505, 19.9901, 1.9640



17.9170, 20.3179, 10.8805



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.



71.3712, 85.2675, 12.7263



76.0222, 90.8245, 13.5241



42.5704, 71.7750, 11.6400



18.7083, 20.1525, 18.3662



38.5581, 46.0728, 6.8607



3.5768, 4.2784, 0.6373

Inverse Universe

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



16.9998, 6.8714, 89.2365



18.0835, 7.2871, 95.0612



24.7558, 10.8215, 89.5902



16.2999, 16.6767, 21.7451



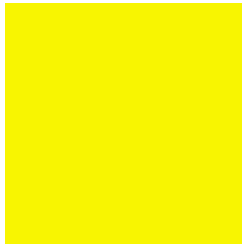
9.1776, 3.7107, 48.2061



0.8558, 0.3552, 4.4666

Previews

White Background



This preview shows how the XYZ color 71.3693, 85.2635, 12.7246 looks on a white background.

Color Contrast Check

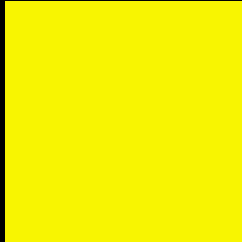
Large Text (above 18pt) WCAG AA × Fail

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 71.3693, 85.2635, 12.7246 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 71.3693, 85.2635, 12.7246

Background



This preview shows how black text looks on a background with the XYZ color 71.3693, 85.2635, 12.7246.

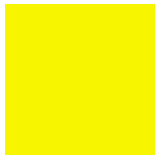


This preview shows how white text looks on a background with the XYZ color 71.3693, 85.2635,

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

71.3693, 85.2635, 12.7246



Protanopia

78.6061, 85.1257, 47.8852



Deuteranopia

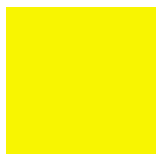
82.4570, 85.2801, 72.4364



Tritanopia

85.9936, 84.8829, 96.6457

Trichromacy



Original Color

71.3693, 85.2635, 12.7246



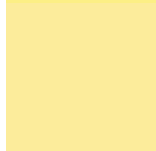
Protanomaly

74.1500, 84.6260, 25.7909



Deuteranomaly

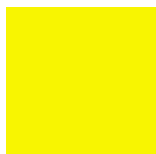
75.2450, 84.1219, 34.4616



Tritanomaly

76.0567, 83.0529, 43.0325

Monochromacy



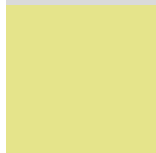
Original Color

71.3693, 85.2635, 12.7246



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.7167, 74.0089, 35.3003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3693, 85.2635, 12.7246 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, 245, 1)` looks like.

```
.text, #text, p{  
    color:rgb(248, 245, 1)  
}
```

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, 245, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 245, 1) }
```

Border

The CSS property to change the border of an element to XYZ 71.3693, 85.2635, 12.7246 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, 245, 1) }
```


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

```
.border{ border-color:rgb(248, 245, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 245, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 245, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 245, 1);  
box-shadow:4px 4px 4px 4px rgb(248, 245,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3693, 85.2635, 12.7246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 245, 1) }
```

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

```
.background{ background-color: rgb(248,  
245, 1) }
```

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