

Converting Colors

XYZ(66.2481, 73.2738, 12.9371)

Have a look what the booklet for
XYZ(66.2481, 73.2738, 12.9371)
contains.

XYZ(66.2481, 73.2738, 12.9371)	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(66.2481, 73.2738,
12.9371)**

Conversions

Conversions Part 1

Format	Color
Hex	FADF2B
RGB	250, 223, 43
RGB Percent	98%, 87%, 17%
CMY	0.0196, 0.1255, 0.8313
CMYK	0.00, 0.11, 0.83, 0.02
HSL	52°, 95%, 57%
HSV	52°, 83%, 98%
XYZ	66.2481, 73.2738, 12.9371
YIQ	210.5530, 73.8720, -50.2560

Conversions

Conversions Part 2

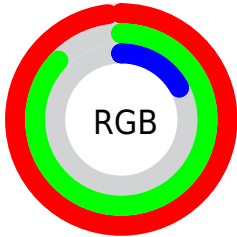
Format	Color
RYB	74, 250, 43
Decimal	16441131
CIELab	88.58, -7.45, 81.98
CIELCh	89, 82.322, 95.192
Yxy	73.2738, 0.4345, 0.4806
Android (android.graphics.Color)	4294631211 (0xFFFAADF2B)
YUV	210.5530, -82.6036, 34.5950
Hunter-Lab	85.6001, -11.6545, 50.9593

Details

The XYZ color **66.2481, 73.2738, 12.9371** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **20.4421, 11.7964, 91.6414**, and the grayscale version is **62.1175, 65.3525, 71.1689**.

A 20% lighter version of the original color is **79.6538, 93.8415, 27.8249**, and **34.9889, 38.8241, 5.6497** is the 20% darker color. If you saturate the color by 10%, you get **65.0601, 71.4211, 10.9293**, and if you desaturate by 10%, it is **67.7367, 75.2793, 16.4305**.

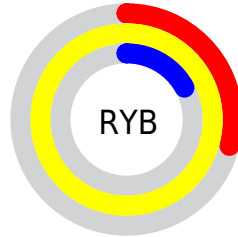
Distribution



Red (98%)

Green (87%)

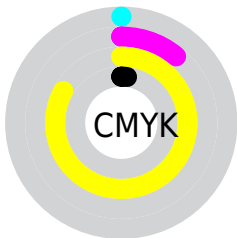
Blue (17%)



Red (29%)

Yellow (98%)

Blue (17%)

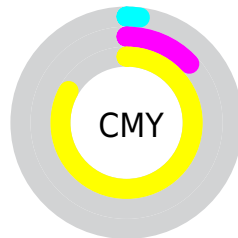


Cyan (0%)

Magenta (11%)

Yellow (83%)

Black (2%)



Cyan (2%)

Magenta (13%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2481, 73.2738, 12.9371 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 66.2481, 73.2738, 12.9371 by changing the saturation by 10% instead.

66.2481, 73.2738,
12.9371

66.2481, 73.2738,
12.9371

436.7383,
471.9632, 221.7078

48.7423, 54.1999,
7.2550

112.8981,
123.8658, 31.8803

34.6288, 38.7615,
3.5412

142.7730,
156.1527, 45.9784

23.5422, 26.5742,
1.3772

177.5016,
193.6127, 63.7191

15.1173, 17.2537,
0.1238

217.4494,
236.6302, 85.5207

8.9886, 10.4155,
0.0000

262.9815,
285.5896, 111.8018

4.7908, 5.6753,
0.0000

314.4635,

2.1585, 2.6487,

340.8753, 142.9810

0.0000

372.2607,
402.8717, 179.4768

■ 0.7207, 0.9512,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.2481, 73.2738,
12.9371

■ 66.2481, 73.2738,
12.9371

■ 65.0601, 71.4211,
10.9293

■ 67.7367, 75.2793,
16.4305

■ 64.3397, 70.1551,
10.1502

■ 69.5656, 77.4450,
21.6399

■ 71.7733, 79.7894,
28.7603

■ 74.3917, 82.3254,
37.9596

77.4493, 85.0644,
49.3871

80.9719, 88.0170,
63.1784

84.9834, 91.1929,
79.4584

89.5058, 94.6010,
98.3430

92.3938, 97.3832,
108.5349

Harmonies

Analogous

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



86.9121, 73.2738, 16.0191



66.2481, 73.2738, 12.9371



49.8873, 73.2738, 19.6550

Triad

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



66.2481, 73.2738, 12.9371



42.8844, 73.2738, 160.7874



110.3391, 73.2738, 134.9766

Complementary

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



66.2481, 73.2738, 12.9371



20.4421, 11.7964, 91.6414

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.



94.0309, 73.2738, 206.5517



66.2481, 73.2738, 12.9371



54.8305, 73.2738, 225.7649

Square

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



66.2481, 73.2738, 12.9371



38.1368, 73.2738, 90.0867



73.1551, 73.2738, 245.5958



114.9750, 73.2738, 70.2960

Rectangle

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



66.2481, 73.2738, 12.9371



42.7781, 73.2738, 32.2490



73.1551, 73.2738, 245.5958



105.9066, 73.2738, 159.8301

Sweetspot

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



66.2498, 73.2773, 12.9386



83.8365, 91.3627, 62.6507



41.4130, 22.5022, 8.0561



17.6633, 19.3211, 12.3047



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.



66.2498, 73.2773, 12.9386



67.3963, 73.5503, 10.7177



52.1001, 77.5557, 14.5102



18.5230, 19.7818, 18.3044



34.2040, 37.3646, 5.4093



3.2199, 3.5647, 0.5183

Inverse Universe

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



20.4421, 11.7964, 91.6414



18.6969, 8.4664, 95.2565



25.7142, 12.5457, 91.5081



16.4655, 17.0077, 21.8003



9.4921, 4.3397, 48.3109



0.9343, 0.5123, 4.4928

Previews

White Background



This preview shows how the XYZ color 66.2481, 73.2738, 12.9371 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 66.2481, 73.2738, 12.9371 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 66.2481, 73.2738, 12.9371

Background



This preview shows how black text looks on a background with the XYZ color 66.2481, 73.2738, 12.9371.



This preview shows how white text looks on a background with the XYZ color 66.2481, 73.2738,

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

66.2481, 73.2738, 12.9371

Protanopia

66.2481, 73.2738, 12.9371

Deuteranopia

72.1410, 72.9098, 43.5285



Tritanopia

77.8535, 73.1762, 79.8331

Trichromacy



Original Color

66.2481, 73.2738, 12.9371

Protanomaly

66.2481, 73.2738, 12.9371

Deuteranomaly

69.0504, 72.8300, 27.2479

Tritanomaly

70.9800, 71.9521, 42.4949

Monochromacy



Original Color

66.2481, 73.2738, 12.9371

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

60.8568, 66.8104, 38.5424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2481, 73.2738, 12.9371 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(250, 223, 43)` looks like.

```
.text, #text, p{  
    color:rgb(250, 223, 43)  
}
```

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(250, 223, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 223, 43) }
```

Border

The CSS property to change the border of an element to XYZ 66.2481, 73.2738, 12.9371 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(250, 223, 43) }
```


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

```
.border{ border-color:rgb(250, 223, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 223, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 223, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 223, 43);  
box-shadow:4px 4px 4px 4px rgb(250, 223,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2481, 73.2738, 12.9371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 223, 43) }
```

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

```
.background{ background-color: rgb(250,  
223, 43) }
```

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