

Converting Colors

XYZ(50.6773, 54.6532, 12.8792)

Have a look what the booklet for
XYZ(50.6773, 54.6532, 12.8792)
contains.

XYZ(50.6773, 54.6532, 12.8792)	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(50.6773, 54.6532,
12.8792)**

Conversions

Conversions Part 1

Format	Color
Hex	DFC241
RGB	223, 194, 65
RGB Percent	87%, 76%, 25%
CMY	0.1255, 0.2392, 0.7451
CMYK	0.00, 0.13, 0.71, 0.13
HSL	49°, 71%, 56%
HSV	49°, 71%, 87%
XYZ	50.6773, 54.6532, 12.8792
YIQ	187.9650, 58.6930, -33.9710

Conversions

Conversions Part 2

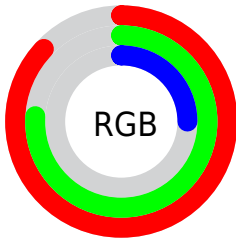
Format	Color
RYB	101, 223, 65
Decimal	14664257
CIELab	78.84, -3.36, 65.34
CIELCh	79, 65.429, 92.940
Yxy	54.6532, 0.4287, 0.4623
Android (android.graphics.Color)	4292854337 (0xFFDFC241)
YUV	187.9650, -60.6217, 30.7257
Hunter-Lab	73.9278, -7.0124, 41.4204

Details

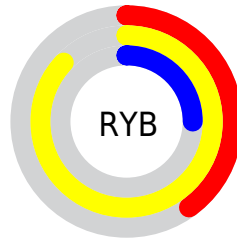
The XYZ color **50.6773, 54.6532, 12.8792** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **19.5019, 14.4566, 71.5740**, and the grayscale version is **48.0916, 50.5962, 55.0992**.

A 20% lighter version of the original color is **78.8158, 90.9873, 31.1776**, and **24.8347, 26.9423, 3.8914** is the 20% darker color. If you saturate the color by 10%, you get **49.2566, 52.6497, 9.8235**, and if you desaturate by 10%, it is **52.3805, 56.8140, 17.2876**.

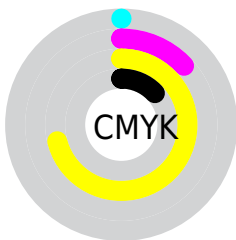
Distribution



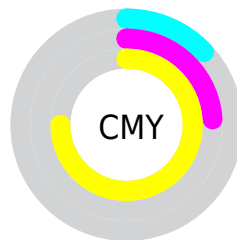
- Red (87%)
- Green (76%)
- Blue (25%)



- Red (40%)
- Yellow (87%)
- Blue (25%)



- Cyan (0%)
- Magenta (13%)
- Yellow (71%)
- Black (13%)



- Cyan (13%)
- Magenta (24%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6773, 54.6532, 12.8792 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 50.6773, 54.6532, 12.8792 by changing the saturation by 10% instead.

■ 50.6773, 54.6532,
12.8792

■ 50.6773, 54.6532,
12.8792

379.7171,
404.5960, 221.3226

■ 36.1719, 39.1241,
7.2157

■ 90.3634, 97.0327,
31.7746

■ 24.7377, 26.8563,
3.5169

■ 116.2748,
124.6518, 45.8435

■ 16.0094, 17.4653,
1.3642

■ 146.7189,
157.0698, 63.5513

■ 9.6217, 10.5668,
0.1136

■ 182.0610,
194.6710, 85.3166

■ 5.2092, 5.7764,
0.0000

■ 222.6665,
237.8399, 111.5578

■ 2.4065, 2.7096,
0.0000

268.9008,

■ 0.8484, 0.9821,

286.9607, 142.6935

0.0000

321.1292,
342.4179, 179.1423

■ 0.0000, 0.0000,
0.0000

■ 50.6773, 54.6532,
12.8792

■ 50.6773, 54.6532,
12.8792

■ 49.2566, 52.6497,
9.8235

■ 52.3805, 56.8140,
17.2876

■ 48.0824, 50.7825,
7.9487

■ 54.3894, 59.1355,
23.1868

■ 47.1749, 49.1754,
7.0054

■ 56.7289, 61.6300,
30.7013

■ 59.4202, 64.3062,
39.9416

■ 62.4825, 67.1723,
51.0086

■ 65.9339, 70.2356,
63.9953

■ 69.7908, 73.5031,
78.9884

■ 74.0689, 76.9813,
96.0691

■ 77.0111, 79.9677,
105.9841

Harmonies

Analogous

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



64.1392, 54.6532, 15.8696



50.6773, 54.6532, 12.8792



39.5296, 54.6532, 17.4366

Triad

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



50.6773, 54.6532, 12.8792



33.6995, 54.6532, 107.4149



77.4745, 54.6532, 98.2784

Complementary

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



50.6773, 54.6532, 12.8792



19.5019, 14.4566, 71.5740

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.



66.7236, 54.6532, 141.8420



50.6773, 54.6532, 12.8792



41.4056, 54.6532, 148.4811

Square

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



50.6773, 54.6532, 12.8792



30.8062, 54.6532, 63.2479



53.2362, 54.6532, 163.1516



81.0495, 54.6532, 55.9186

Rectangle

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



50.6773, 54.6532, 12.8792



34.4760, 54.6532, 26.0054



53.2362, 54.6532, 163.1516



74.5009, 54.6532, 113.7721

Sweetspot

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



50.6786, 54.6558, 12.8803



84.5405, 90.9079, 68.6275



34.4609, 20.3246, 13.3193



17.8379, 19.2216, 13.7460



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.



50.6786, 54.6558, 12.8803



65.9517, 70.1171, 11.9129



45.1561, 62.3402, 14.6546



14.6467, 15.5794, 14.5419



27.8153, 29.0686, 4.1448



1.9843, 2.1274, 0.3060

Inverse Universe

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



19.5019, 14.4566, 71.5740



21.5847, 13.0892, 95.9966



21.9432, 12.5800, 71.0831



13.1545, 13.6481, 17.3287



8.3558, 4.1812, 41.4150



0.6393, 0.4101, 2.8907

Previews

White Background



This preview shows how the XYZ color 50.6773, 54.6532, 12.8792 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 50.6773, 54.6532, 12.8792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

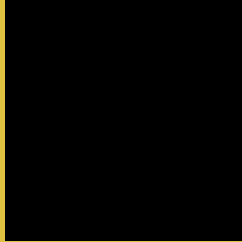
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.6773, 54.6532, 12.8792

Background



This preview shows how black text looks on a background with the XYZ color 50.6773, 54.6532, 12.8792.



This preview shows how white text looks on a background with the XYZ color 50.6773, 54.6532,

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

50.6773, 54.6532, 12.8792

Protanopia

49.6075, 54.7669, 12.9575

Deuteranopia

55.7006, 54.3484, 13.0234



Tritanopia

59.9785, 54.3115, 58.9517

Trichromacy



Original Color

50.6773, 54.6532, 12.8792

Protanomaly

49.9844, 54.6275, 12.9107

Deuteranomaly

53.5884, 54.2046, 12.9483

Tritanomaly

55.2173, 53.9139, 35.5131

Monochromacy



Original Color

50.6773, 54.6532, 12.8792

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.4588, 51.2276, 33.3732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6773, 54.6532, 12.8792 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(223, 194, 65)` looks like.

```
.text, #text, p{  
    color:rgb(223, 194, 65)  
}
```

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(223, 194, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 194, 65) }
```

Border

The CSS property to change the border of an element to XYZ 50.6773, 54.6532, 12.8792 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(223, 194, 65) }
```


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

```
.border{ border-color:rgb(223, 194, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 194, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 194, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 194, 65);  
box-shadow:4px 4px 4px 4px rgb(223, 194,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6773, 54.6532, 12.8792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 194, 65) }
```

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

```
.background{ background-color: rgb(223,  
194, 65) }
```

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](#).

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