

Converting Colors

XYZ(41.9585, 50.8204, 12.7521)

Have a look what the booklet for
XYZ(41.9585, 50.8204, 12.7521)
contains.

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Color

**XYZ(41.9585, 50.8204,
12.7521)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC442
RGB	190, 196, 66
RGB Percent	75%, 77%, 26%
CMY	0.2549, 0.2314, 0.7412
CMYK	0.03, 0.00, 0.66, 0.23
HSL	63°, 52%, 51%
HSV	63°, 66%, 77%
XYZ	41.9585, 50.8204, 12.7521
YIQ	179.3860, 38.1540, -41.7020

Conversions

Conversions Part 2

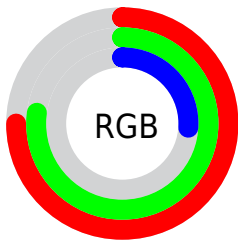
Format	Color
R _{YB}	66, 196, 72
Decimal	12502082
CIE Lab	76.57, -18.30, 61.75
CIE LCh	77, 64.405, 106.504
Yxy	50.8204, 0.3976, 0.4816
Android (android.graphics.Color)	4290692162 (0xFFBEC442)
YUV	179.3860, -55.8993, 9.3085
Hunter-Lab	71.2884, -19.6943, 39.2961

Details

The XYZ color **41.9585, 50.8204, 12.7521** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted chartreuse. A complement of this color would be **14.5861, 9.2608, 53.2465**, and the grayscale version is **43.3301, 45.5866, 49.6438**.

A 20% lighter version of the original color is **77.3285, 91.1410, 31.6055**, and **19.3459, 24.3325, 3.6770** is the 20% darker color. If you saturate the color by 10%, you get **41.2518, 50.5136, 10.2026**, and if you desaturate by 10%, it is **42.8669, 51.2119, 16.3464**.

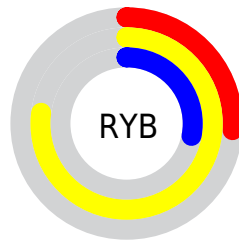
Distribution



Red (75%)

Green (77%)

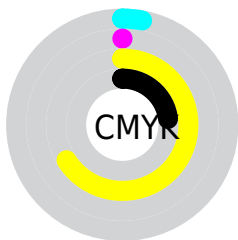
Blue (26%)



Red (26%)

Yellow (77%)

Blue (28%)

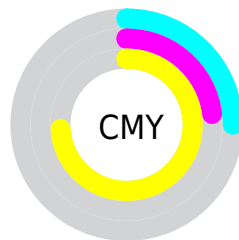


Cyan (3%)

Magenta (0%)

Yellow (66%)

Black (23%)



Cyan (25%)

Magenta (23%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9585, 50.8204, 12.7521 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 41.9585, 50.8204, 12.7521 by changing the saturation by 10% instead.

■ 41.9585, 50.8204,
12.7521

■ 41.9585, 50.8204,
12.7521

345.3054,
389.8656, 220.4745

■ 29.2598, 36.0657,
7.1293

■ 77.4024, 91.3892,
31.5423

■ 19.4227, 24.4849,
3.4635

■ 100.8782,
117.9722, 45.5469

■ 12.0819, 15.6937,
1.3359

■ 128.6771,
149.2666, 63.1825

■ 6.8721, 9.3077,
0.0909

■ 161.1645,
185.6570, 84.8676

■ 3.4278, 4.9424,
0.0000

■ 198.7057,
227.5277, 111.0208

■ 1.3838, 2.2135,
0.0000

241.6660,

■ 0.2447, 0.7273,

275.2631, 142.0607

0.0000

290.4108,
329.2476, 178.4057

■ 0.0000, 0.0000,
0.0000

■ 41.9585, 50.8204,
12.7521

■ 41.9585, 50.8204,
12.7521

■ 41.2518, 50.5136,
10.2026

■ 42.8669, 51.2119,
16.3464

■ 40.7222, 50.2758,
8.5829

■ 43.9918, 51.6882,
21.0782

■ 40.3434, 50.0986,
7.7505

■ 45.3504, 52.2581,
27.0336

■ 40.2224, 50.0408,
7.5389

■ 46.9574, 52.9277,
34.2898

■ 48.8262, 53.7021,
42.9173

■ 50.9694, 54.5863,
52.9817

■ 53.3984, 55.5852,
64.5445

■ 56.1244, 56.7029,
77.6633

■ 59.1577, 57.9437,
92.3931

Harmonies

Analogous

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



53.9702, 50.8204, 12.4130



41.9585, 50.8204, 12.7521



33.2447, 50.8204, 20.8477

Triad

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



41.9585, 50.8204, 12.7521



33.9262, 50.8204, 119.5426



74.8042, 50.8204, 72.4865

Complementary

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



41.9585, 50.8204, 12.7521



14.5861, 9.2608, 53.2465

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.



67.3354, 50.8204, 115.4348



41.9585, 50.8204, 12.7521



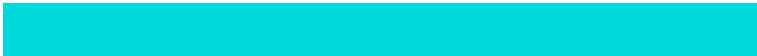
43.0476, 50.8204, 149.3753

Square

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



41.9585, 50.8204, 12.7521



29.1685, 50.8204, 76.6299



55.2574, 50.8204, 147.6176



74.3796, 50.8204, 38.4028

Rectangle

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



41.9585, 50.8204, 12.7521



29.8710, 50.8204, 32.6941



55.2574, 50.8204, 147.6176



73.0862, 50.8204, 86.5687

Sweetspot

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



41.9597, 50.8227, 12.7531



87.0375, 96.6955, 71.2035



25.9612, 16.5525, 6.9815



18.4240, 20.6116, 14.2922



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.



41.9597, 50.8227, 12.7531



74.2148, 91.2751, 16.8383



29.4282, 44.3625, 12.1667



10.8660, 11.7339, 10.7540



25.8638, 32.1621, 4.8447



1.1319, 1.3971, 0.2100

Inverse Universe

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



14.5861, 9.2608, 53.2465



21.1231, 10.5616, 95.5330



21.9590, 13.0617, 53.5915



9.5704, 9.7697, 12.6662



6.4951, 2.6088, 33.7178



0.2958, 0.1205, 1.4576

Previews

White Background



This preview shows how the XYZ color 41.9585, 50.8204, 12.7521 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 41.9585, 50.8204, 12.7521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

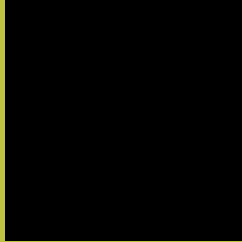
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9585, 50.8204, 12.7521

Background



This preview shows how black text looks on a background with the XYZ color 41.9585, 50.8204, 12.7521.



This preview shows how white text looks on a background with the XYZ color 41.9585, 50.8204,

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

41.9585, 50.8204, 12.7521

Protanopia

45.9870, 50.6142, 12.1962

Deuteranopia

51.5507, 50.3702, 13.1363



Tritanopia

51.4836, 50.5007, 60.4602

Trichromacy



Original Color

41.9585, 50.8204, 12.7521

Protanomaly

44.4324, 50.7774, 12.4602

Deuteranomaly

47.6679, 50.2002, 12.9716

Tritanomaly

46.7769, 50.1742, 36.0733

Monochromacy



Original Color

41.9585, 50.8204, 12.7521

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.4648, 46.6002, 30.8541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9585, 50.8204, 12.7521 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(190, 196, 66)` looks like.

```
.text, #text, p{  
    color:rgb(190, 196, 66)  
}
```

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(190, 196, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 196, 66) }
```

Border

The CSS property to change the border of an element to XYZ 41.9585, 50.8204, 12.7521 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(190, 196, 66) }
```


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

```
.border{ border-color:rgb(190, 196, 66) }
```

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

Here you see how a box with a 4 pixel rgb(190, 196, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 196, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 196, 66);  
box-shadow:4px 4px 4px 4px rgb(190, 196,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9585, 50.8204, 12.7521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 196, 66) }
```

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

```
.background{ background-color: rgb(190,  
196, 66) }
```

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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