

Converting Colors

XYZ(50.9013, 53.5972, 7.6625)

Have a look what the booklet for
XYZ(50.9013, 53.5972, 7.6625)
contains.

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Color

**XYZ(50.7266, 53.4849,
7.6500)**

Conversions

Conversions Part 1

Format	Color
Hex	E5BE00
RGB	229, 190, 0
RGB Percent	90%, 75%, 0%
CMY	0.1020, 0.2549, 0.9999
CMYK	0.00, 0.17, 1.00, 0.10
HSL	50°, 100%, 45%
HSV	50°, 100%, 90%
XYZ	50.7266, 53.4849, 7.6500
YIQ	180.0010, 84.2340, -50.8220

Conversions

Conversions Part 2

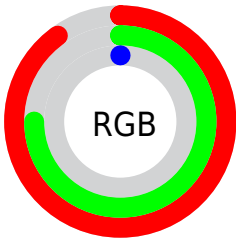
Format	Color
R _Y B	47, 229, 0
Decimal	15056384
CIE Lab	78.16, -0.29, 79.82
CIE LCh	78, 79.819, 90.209
Yxy	53.4849, 0.4535, 0.4781
Android (android.graphics.Color)	4293246464 (0xFFE5BE00)
YUV	180.0010, -88.7405, 42.9721
Hunter-Lab	73.1334, -4.1726, 44.9914

Details

The XYZ color **50.7266, 53.4849, 7.6500** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **14.8690, 7.1091, 74.7168**, and the grayscale version is **43.8154, 46.0972, 50.1999**.

A 20% lighter version of the original color is **75.7571, 87.7961, 21.1371**, and **25.0941, 26.2162, 3.7376** is the 20% darker color. If you saturate the color by 10%, you get **50.7270, 53.4860, 7.6502**, and if you desaturate by 10%, it is **51.7376, 55.2611, 8.7460**.

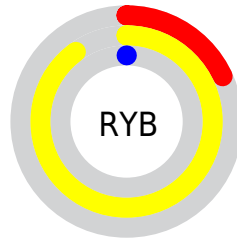
Distribution



Red (90%)

Green (75%)

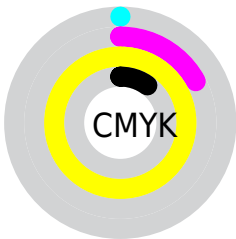
Blue (0%)



Red (18%)

Yellow (90%)

Blue (0%)

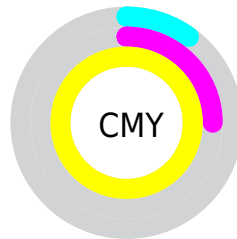


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7266, 53.4849, 7.6500 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 50.7266, 53.4849, 7.6500 by changing the saturation by 10% instead.


 50.7266, 53.4849,
7.6500


 50.7266, 53.4849,
7.6500


379.9058,
400.1427, 182.7913

 36.2112, 38.1900,
3.7873


 90.4359, 95.3175,
21.8041

 24.7682, 26.1302,
1.5094


 116.3606,
122.6240, 32.9326

 16.0323, 16.9211,
0.2249


 146.8190,
154.7032, 47.3201

 9.6380, 10.1782,
0.0000

 182.1766,
191.9394, 65.3851

 5.2200, 5.5173,
0.0000

 222.7988,
234.7171, 87.5462

 2.4130, 2.5539,
0.0000

 269.0508,

 0.8516, 0.9035,

283.4206, 114.2219

0.0000

321.2980,
338.4343, 145.8307

■ 0.0000, 0.0000,
0.0000

■ 50.7266, 53.4849,
7.6500

■ 50.7266, 53.4849,
7.6500

■ 50.7270, 53.4860,
7.6502

■ 51.7376, 55.2611,
8.7460

■ 52.9521, 57.1530,
10.8069

■ 54.4298, 59.1869,
14.1402

■ 56.2044, 61.3765,
18.9228

■ 58.3043, 63.7336,
25.3039

■ 60.7545, 66.2682,
33.4139

■ 63.5773, 68.9896,
43.3699

■ 66.7932, 71.9064,
55.2785

■ 70.4211, 75.0262,
69.2385

Harmonies

Analogous

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



67.2409, 53.4849, 10.9743



50.7266, 53.4849, 7.6500



37.1889, 53.4849, 11.0774

Triad

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



50.7266, 53.4849, 7.6500



29.0718, 53.4849, 113.0284



81.5599, 53.4849, 112.1871

Complementary

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



50.7266, 53.4849, 7.6500



14.8690, 7.1091, 74.7168

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.



67.4692, 53.4849, 168.4756



50.7266, 53.4849, 7.6500



37.3428, 53.4849, 169.1118

Square

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



50.7266, 53.4849, 7.6500



26.3550, 53.4849, 58.5495



50.9451, 53.4849, 193.2851



87.1134, 53.4849, 57.9236

Rectangle

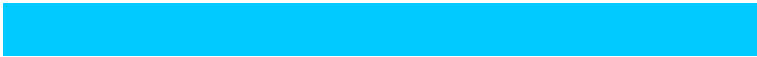
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.7266, 53.4849, 7.6500



31.0970, 53.4849, 18.7461



50.9451, 53.4849, 193.2851



77.5396, 53.4849, 132.3215

Sweetspot

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



50.7278, 53.4875, 7.6510



81.0702, 87.9825, 55.0926



32.7310, 16.8255, 3.7130



17.0133, 18.5106, 10.5793



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.



50.7278, 53.4875, 7.6510



64.6775, 68.1350, 9.7425



41.8244, 63.1552, 9.9864



15.3818, 16.3775, 15.2549



29.0811, 30.7363, 4.4000



2.2044, 2.3822, 0.3436

Inverse Universe

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



14.8690, 7.1091, 74.7168



18.9294, 8.9788, 95.3431



16.8552, 7.0557, 74.6019



13.7802, 14.2818, 18.1747



8.5606, 4.1833, 42.7394



0.6918, 0.4276, 3.1780

Previews

White Background



This preview shows how the XYZ color 50.7266, 53.4849, 7.6500 looks on a white background.

Color Contrast Check

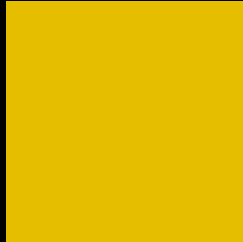
Large Text (above 18pt) WCAG AA × Fail

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 50.7266, 53.4849, 7.6500 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 50.7266, 53.4849, 7.6500

Background



This preview shows how black text looks on a background with the XYZ color 50.7266, 53.4849, 7.6500.



This preview shows how white text looks on a background with the XYZ color 50.7266, 53.4849,

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

50.7266, 53.4849, 7.6500

Protanopia

48.2545, 53.5087, 8.0434

Deuteranopia

54.7072, 53.3265, 8.0258



Tritanopia

60.6130, 53.5127, 55.8495

Trichromacy



Original Color

50.7266, 53.4849, 7.6500

Protanomaly

49.2270, 53.6827, 7.9395

Deuteranomaly

53.2219, 53.4951, 7.8683

Tritanomaly

54.4401, 52.4985, 25.3531

Monochromacy



Original Color

50.7266, 53.4849, 7.6500

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.5237, 47.5246, 23.0989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7266, 53.4849, 7.6500 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(229, 190, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 190, 0)  
}
```

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(229, 190, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 190, 0) }
```

Border

The CSS property to change the border of an element to XYZ 50.7266, 53.4849, 7.6500 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(229, 190, 0) }
```


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

```
.border{ border-color:rgb(229, 190, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 190, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 190, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 190, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 190,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7266, 53.4849, 7.6500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 190, 0) }
```

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

```
.background{ background-color: rgb(229,  
190, 0) }
```

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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