

Converting Colors

XYZ(53.2585, 53.1711, 7.4560)

Have a look what the booklet for
XYZ(53.2585, 53.1711, 7.4560)
contains.

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Color

**XYZ(53.2841, 53.2232,
7.4647)**

Conversions

Conversions Part 1

Format	Color
Hex	F0B900
RGB	240, 185, 0
RGB Percent	94%, 73%, 0%
CMY	0.0588, 0.2745, 0.9999
CMYK	0.00, 0.23, 1.00, 0.06
HSL	46°, 100%, 47%
HSV	46°, 100%, 94%
XYZ	53.2841, 53.2232, 7.4647
YIQ	180.3550, 92.1650, -45.8750

Conversions

Conversions Part 2

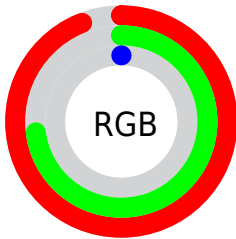
Format	Color
R_{YB}	71, 240, 0
Decimal	15776000
CIE Lab	78.01, 7.08, 80.22
CIE LCh	78, 80.536, 84.959
Yxy	53.2232, 0.4675, 0.4670
Android (android.graphics.Color)	4293966080 (0xFFFF0B900)
YUV	180.3550, -88.9150, 52.3087
Hunter-Lab	72.9542, 2.7024, 45.0014

Details

The XYZ color **53.2841, 53.2232, 7.4647** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **17.0950, 9.0248, 83.2782**, and the grayscale version is **44.0046, 46.2963, 50.4167**.

A 20% lighter version of the original color is **74.2183, 84.7798, 20.4351**, and **26.6114, 25.9675, 3.6097** is the 20% darker color. If you saturate the color by 10%, you get **53.2843, 53.2240, 7.4649**, and if you desaturate by 10%, it is **54.6232, 55.6378, 8.7254**.

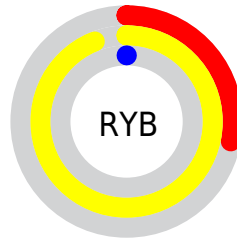
Distribution



Red (94%)

Green (73%)

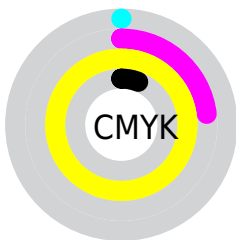
Blue (0%)



Red (28%)

Yellow (94%)

Blue (0%)

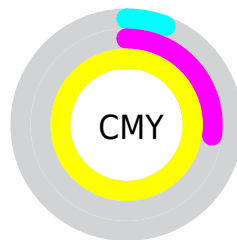


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2841, 53.2232, 7.4647 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 53.2841, 53.2232, 7.4647 by changing the saturation by 10% instead.


 53.2841, 53.2232,
7.4647


 53.2841, 53.2232,
7.4647


389.6172,
399.1409, 181.2459


 38.2580, 37.9810,
3.6716


 94.1854, 94.9327,
21.4307


 26.3611, 25.9679,
1.4469


 120.7912,
122.1688, 32.4407

 17.2281, 16.7996,
0.1779


 151.9877,
154.1717, 46.6933

 10.4936, 10.0917,
0.0000

 188.1402,
191.3256, 64.6072

 5.7922, 5.4598,
0.0000

 229.6141,
234.0152, 86.6009

 2.7586, 2.5195,
0.0000

 276.7746,

 1.0274, 0.8864,

282.6246, 113.0928

0.0000

329.9872,
337.5384, 144.5017

■ 0.0000, 0.0000,
0.0000

■ 53.2841, 53.2232,
7.4647

■ 53.2841, 53.2232,
7.4647

■ 53.2843, 53.2240,
7.4649

■ 54.6232, 55.6378,
8.7254

■ 56.2100, 58.2212,
11.0736

■ 58.1099, 61.0027,
14.8461

■ 60.3611, 63.9982,
20.2424

■ 62.9960, 67.2215,
27.4300

■ 66.0429, 70.6845,
36.5556

■ 69.5270, 74.3982,
47.7506

■ 73.4717, 78.3725,
61.1348

■ 77.8983, 82.6167,
76.8190

Harmonies

Analogous

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



69.9575, 53.2232, 12.0951



53.2841, 53.2232, 7.4647



38.8966, 53.2232, 9.6160

Triad

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



53.2841, 53.2232, 7.4647



27.8722, 53.2232, 102.5804



79.5200, 53.2232, 123.0473

Complementary

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



53.2841, 53.2232, 7.4647



17.0950, 9.0248, 83.2782

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.



64.4124, 53.2232, 176.8493



53.2841, 53.2232, 7.4647



35.1694, 53.2232, 161.3548

Square

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



53.2841, 53.2232, 7.4647



26.0965, 53.2232, 50.6868



47.9826, 53.2232, 193.6237



86.9755, 53.2232, 65.8781

Rectangle

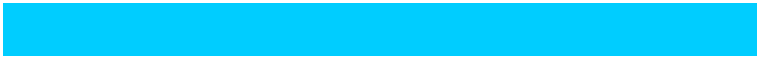
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.2841, 53.2232, 7.4647



32.1267, 53.2232, 15.7970



47.9826, 53.2232, 193.6237



75.0340, 53.2232, 143.0913

Sweetspot

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



53.2853, 53.2258, 7.4657



79.7466, 85.3352, 54.6514



36.6492, 18.8112, 5.4425



16.6940, 17.8720, 10.4728



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.



53.2853, 53.2258, 7.4657



61.1078, 60.9956, 8.5526



49.0654, 71.5502, 11.2251



16.7979, 17.8089, 16.7018



29.2743, 29.3467, 4.1216



2.5093, 2.5892, 0.3675

Inverse Universe

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



17.0950, 9.0248, 83.2782



19.5850, 10.2901, 95.5617



17.8435, 7.3821, 82.9217



15.1911, 15.8164, 19.9738



9.4404, 5.1050, 45.6157



0.8583, 0.5707, 3.8191

Previews

White Background



This preview shows how the XYZ color 53.2841, 53.2232, 7.4647 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 53.2841, 53.2232, 7.4647 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 53.2841, 53.2232, 7.4647

Background



This preview shows how black text looks on a background with the XYZ color 53.2841, 53.2232, 7.4647.



This preview shows how white text looks on a background with the XYZ color 53.2841, 53.2232,

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

53.2841, 53.2232, 7.4647

Protanopia

48.2716, 53.5155, 8.1332

Deuteranopia

54.3021, 53.1242, 7.7086



Tritanopia

62.5764, 53.1476, 52.8593

Trichromacy



Original Color

53.2841, 53.2232, 7.4647

Protanomaly

50.0387, 53.4479, 7.9089

Deuteranomaly

54.1410, 53.3510, 7.6452

Tritanomaly

56.9982, 52.3451, 24.2390

Monochromacy



Original Color

53.2841, 53.2232, 7.4647

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.1796, 47.2503, 23.0114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2841, 53.2232, 7.4647 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(240, 185, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 185, 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(240, 185, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 185, 0) }
```

Border

The CSS property to change the border of an element to XYZ 53.2841, 53.2232, 7.4647 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(240, 185, 0) }
```


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

```
.border{ border-color:rgb(240, 185, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 185, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 185, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 185, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 185,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2841, 53.2232, 7.4647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 185, 0) }
```

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

```
.background{ background-color: rgb(240,  
185, 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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