

Converting Colors

XYZ(52.5602, 53.2004, 7.4985)

Have a look what the booklet for
XYZ(52.5602, 53.2004, 7.4985)
contains.

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Color

**XYZ(52.4840, 53.1223,
7.4874)**

Conversions

Conversions Part 1

Format	Color
Hex	EDBA00
RGB	237, 186, 0
RGB Percent	93%, 73%, 0%
CMY	0.0706, 0.2706, 0.9999
CMYK	0.00, 0.22, 1.00, 0.07
HSL	47°, 100%, 46%
HSV	47°, 100%, 93%
XYZ	52.4840, 53.1223, 7.4874
YIQ	180.0450, 90.1020, -47.0340

Conversions

Conversions Part 2

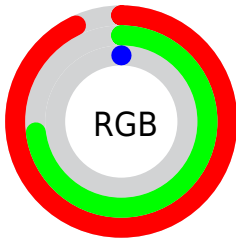
Format	Color
R _Y B	65, 237, 0
Decimal	15579648
CIE Lab	77.95, 5.26, 80.04
CIE LCh	78, 80.212, 86.241
Yxy	53.1223, 0.4641, 0.4697
Android (android.graphics.Color)	4293769728 (0xFFEDBA00)
YUV	180.0450, -88.7622, 49.9495
Hunter-Lab	72.8850, 0.9877, 44.9287

Details

The XYZ color **52.4840, 53.1223, 7.4874** 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 **16.4706, 8.4833, 80.8896**, and the grayscale version is **43.8371, 46.1200, 50.2247**.

A 20% lighter version of the original color is **74.5535, 85.3888, 20.7359**, and **26.2920, 26.0052, 3.6338** is the 20% darker color. If you saturate the color by 10%, you get **52.4842, 53.1231, 7.4876**, and if you desaturate by 10%, it is **53.7407, 55.3771, 8.7053**.

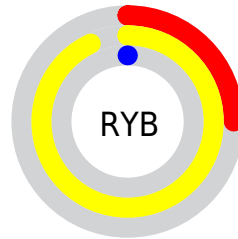
Distribution



Red (93%)

Green (73%)

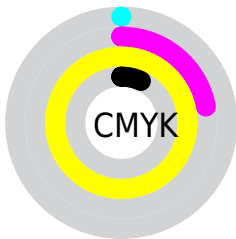
Blue (0%)



Red (25%)

Yellow (93%)

Blue (0%)

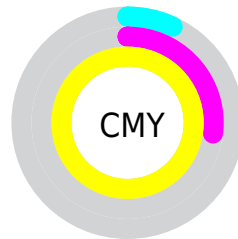


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4840, 53.1223, 7.4874 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 52.4840, 53.1223, 7.4874 by changing the saturation by 10% instead.

■ 52.4840, 53.1223,
7.4874

■ 52.4840, 53.1223,
7.4874

386.5956,
398.7542, 181.4361

■ 37.6168, 37.9004,
3.6857

■ 93.0147, 94.7843,
21.4766

■ 25.8613, 25.9054,
1.4546

■ 119.4089,
121.9932, 32.5011

■ 16.8520, 16.7529,
0.1837

■ 150.3761,
153.9666, 46.7704

■ 10.2237, 10.0585,
0.0000

■ 186.2818,
191.0888, 64.7029

■ 5.6109, 5.4377,
0.0000

■ 227.4912,
233.7443, 86.7171

■ 2.6484, 2.5063,
0.0000

■ 274.3697,

■ 0.9707, 0.8798,

282.3174, 113.2317

0.0000

327.2828,
337.1926, 144.6652

■ 0.0000, 0.0000,
0.0000

■ 52.4840, 53.1223,
7.4874

■ 52.4840, 53.1223,
7.4874

■ 52.4842, 53.1231,
7.4876

■ 53.7407, 55.3771,
8.7053

■ 55.2328, 57.7858,
10.9766

■ 57.0239, 60.3767,
14.6297

■ 59.1512, 63.1653,
19.8580

■ 61.6457, 66.1646,
26.8237

■ 64.5349, 69.3861,
35.6690

■ 67.8432, 72.8403,
46.5213

■ 71.5931, 76.5366,
59.4968

■ 75.8052, 80.4838,
74.7028

Harmonies

Analogous

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



69.0672, 53.1223, 11.7768



52.4840, 53.1223, 7.4874



38.3529, 53.1223, 9.9326

Triad

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



52.4840, 53.1223, 7.4874



28.0774, 53.1223, 104.7602



79.7694, 53.1223, 119.9385

Complementary

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



52.4840, 53.1223, 7.4874



16.4706, 8.4833, 80.8896

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.



64.9531, 53.1223, 174.2177



52.4840, 53.1223, 7.4874



35.5857, 53.1223, 162.7297

Square

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



52.4840, 53.1223, 7.4874



26.0794, 53.1223, 52.3882



48.5494, 53.1223, 192.9345



86.7383, 53.1223, 63.6599

Rectangle

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



52.4840, 53.1223, 7.4874



31.7730, 53.1223, 16.4410



48.5494, 53.1223, 192.9345



75.4099, 53.1223, 139.9516

Sweetspot

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



52.4852, 53.1249, 7.4884



80.0578, 85.9578, 54.7552



35.5307, 18.2471, 4.8237



16.7690, 18.0220, 10.4978



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.



52.4852, 53.1249, 7.4884



61.9242, 62.6285, 8.8247



46.8304, 69.0980, 10.8696



16.0609, 17.0448, 15.9622



28.7545, 29.2031, 4.1212



2.3262, 2.4297, 0.3464

Inverse Universe

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



16.4706, 8.4833, 80.8896



19.4101, 9.9401, 95.5034



17.6122, 7.3139, 80.6038



14.4939, 15.0743, 19.0680



9.0698, 4.7865, 44.1888



0.7811, 0.5137, 3.4929

Previews

White Background



This preview shows how the XYZ color 52.4840, 53.1223, 7.4874 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 52.4840, 53.1223, 7.4874 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 52.4840, 53.1223, 7.4874

Background



This preview shows how black text looks on a background with the XYZ color 52.4840, 53.1223, 7.4874.



This preview shows how white text looks on a background with the XYZ color 52.4840, 53.1223,

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

52.4840, 53.1223, 7.4874

Protanopia

48.2656, 53.5132, 8.1018

Deuteranopia

54.3210, 53.1318, 7.8079



Tritanopia

61.8125, 53.0251, 53.4314

Trichromacy



Original Color

52.4840, 53.1223, 7.4874

Protanomaly

49.7205, 53.2845, 7.8654

Deuteranomaly

53.4654, 53.0015, 7.6708

Tritanomaly

56.1526, 52.2035, 24.2563

Monochromacy



Original Color

52.4840, 53.1223, 7.4874

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.9099, 47.1112, 22.9987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4840, 53.1223, 7.4874 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(237, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 186, 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(237, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 186, 0) }
```

Border

The CSS property to change the border of an element to XYZ 52.4840, 53.1223, 7.4874 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(237, 186, 0) }
```


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

```
.border{ border-color:rgb(237, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 186,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4840, 53.1223, 7.4874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 186, 0) }
```

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

```
.background{ background-color: rgb(237,  
186, 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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