

Converting Colors

XYZ(50.8779, 53.0841, 12.9541)

Have a look what the booklet for
XYZ(50.8779, 53.0841, 12.9541)
contains.

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Color

**XYZ(50.9195, 53.1434,
13.0428)**

Conversions

Conversions Part 1

Format	Color
Hex	E3BD44
RGB	227, 189, 68
RGB Percent	89%, 74%, 27%
CMY	0.1098, 0.2588, 0.7333
CMYK	0.00, 0.17, 0.70, 0.11
HSL	46°, 74%, 58%
HSV	46°, 70%, 89%
XYZ	50.9195, 53.1434, 13.0428
YIQ	186.5680, 61.4890, -29.5750

Conversions

Conversions Part 2

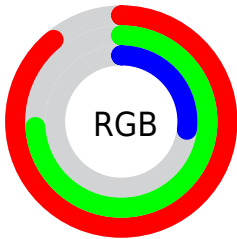
Format	Color
RYB	118, 227, 68
Decimal	14925124
CIELab	77.96, 1.09, 63.41
CIELCh	78, 63.418, 89.017
Yxy	53.1434, 0.4348, 0.4538
Android (android.graphics.Color)	4293115204 (0xFFE3BD44)
YUV	186.5680, -58.4540, 35.4589
Hunter-Lab	72.8995, -2.8939, 40.4218

Details

The XYZ color **50.9195, 53.1434, 13.0428** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **21.4029, 17.0826, 74.8417**, and the grayscale version is **47.2864, 49.7489, 54.1766**.

A 20% lighter version of the original color is **77.4053, 87.9700, 31.3126**, and **24.9526, 25.9331, 3.6905** is the 20% darker color. If you saturate the color by 10%, you get **49.2116, 50.6300, 9.6923**, and if you desaturate by 10%, it is **52.9416, 55.8564, 17.8217**.

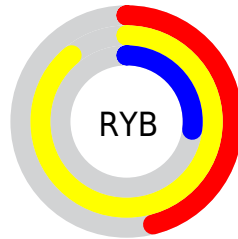
Distribution



Red (89%)

Green (74%)

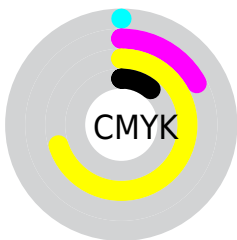
Blue (27%)



Red (46%)

Yellow (89%)

Blue (27%)

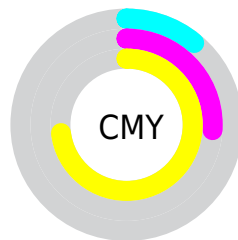


Cyan (0%)

Magenta (17%)

Yellow (70%)

Black (11%)



Cyan (11%)


Magenta (26%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9195, 53.1434, 13.0428 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 50.9195, 53.1434, 13.0428 by changing the saturation by 10% instead.


 50.9195, 53.1434,
13.0428


 50.9195, 53.1434,
13.0428


380.6438,
398.8350, 222.4092


 36.3653, 37.9173,
7.3270


 90.7195, 94.8153,
32.0730


 24.8879, 25.9185,
3.5859


 116.6960,
122.0299, 46.2244


 16.1218, 16.7627,
1.4010


 147.2106,
154.0095, 64.0247

 9.7018, 10.0654,
0.1425

 182.6288,
191.1383, 85.8925

 5.2624, 5.4424,
0.0000

 223.3159,
233.8009, 112.2463

 2.4384, 2.5091,
0.0000

269.6371,

 0.8643, 0.8812,

282.3817, 143.5047

0.0000

321.9580,
337.2649, 180.0861

■ 0.0000, 0.0000,
0.0000

■ 50.9195, 53.1434,
13.0428

■ 50.9195, 53.1434,
13.0428

■ 49.2116, 50.6300,
9.6923

■ 52.9416, 55.8564,
17.8217

■ 47.7808, 48.2945,
7.5934

■ 55.3024, 58.7734,
24.1719

■ 46.5751, 46.1244,
6.4481

■ 58.0278, 61.9076,
32.2222

■ 61.1399, 65.2684,
42.0873

■ 64.6592, 68.8649,
53.8718

■ 68.6043, 72.7051,
67.6724

■ 72.9927, 76.7967,
83.5793

■ 77.8410, 81.1471,
101.6770

■ 80.2519, 84.5980,
106.7071

Harmonies

Analogous

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



63.7375, 53.1434, 16.9693



50.9195, 53.1434, 13.0428



39.8534, 53.1434, 16.4597

Triad

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



50.9195, 53.1434, 13.0428



32.4728, 53.1434, 97.4833



73.7073, 53.1434, 100.3711

Complementary

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



50.9195, 53.1434, 13.0428



21.4029, 17.0826, 74.8417

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.



62.9175, 53.1434, 139.9563



50.9195, 53.1434, 13.0428



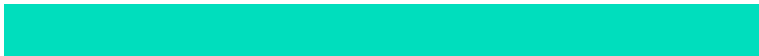
39.2542, 53.1434, 137.8655

Square

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



50.9195, 53.1434, 13.0428



30.3068, 53.1434, 56.7058



50.1051, 53.1434, 155.8764



78.1447, 53.1434, 59.0382

Rectangle

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



50.9195, 53.1434, 13.0428



34.6325, 53.1434, 23.7588



50.1051, 53.1434, 155.8764



70.6248, 53.1434, 114.8549

Sweetspot

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



50.9207, 53.1460, 13.0439



83.6485, 89.1239, 68.3302



36.4393, 21.5429, 16.3561



17.6236, 18.7930, 13.6746



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.



50.9207, 53.1460, 13.0439



63.1857, 64.5166, 11.2023



49.0672, 65.9516, 15.6133



15.2945, 16.2028, 15.2258



27.2575, 27.0892, 3.7921



2.0846, 2.1426, 0.3037

Inverse Universe

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



21.4029, 17.0826, 74.8417



22.7823, 15.3390, 96.3677



22.0867, 12.8534, 73.9894



13.8610, 14.4435, 18.2016



8.9375, 4.9372, 42.8651



0.7313, 0.5065, 3.1912

Previews

White Background



This preview shows how the XYZ color 50.9195, 53.1434, 13.0428 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 50.9195, 53.1434, 13.0428 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 50.9195, 53.1434, 13.0428

Background



This preview shows how black text looks on a background with the XYZ color 50.9195, 53.1434, 13.0428.



This preview shows how white text looks on a background with the XYZ color 50.9195, 53.1434,

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

50.9195, 53.1434, 13.0428

Protanopia

48.4630, 53.1685, 13.3385

Deuteranopia

54.3146, 53.0099, 13.1636



Tritanopia

59.7182, 53.0387, 56.3802

Trichromacy



Original Color

50.9195, 53.1434, 13.0428

Protanomaly

49.4390, 53.3446, 13.3210

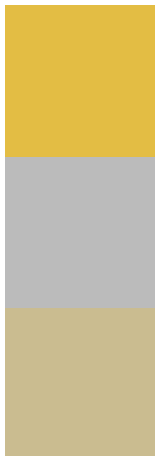
Deuteranomaly

53.0152, 52.9605, 13.0584

Tritanomaly

55.3165, 52.4467, 34.4019

Monochromacy



Original Color

50.9195, 53.1434, 13.0428

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.3744, 50.5366, 33.6432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9195, 53.1434, 13.0428 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(227, 189, 68)` looks like.

```
.text, #text, p{  
    color:rgb(227, 189, 68)  
}
```

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(227, 189, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 189, 68) }
```

Border

The CSS property to change the border of an element to XYZ 50.9195, 53.1434, 13.0428 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(227, 189, 68) }
```


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

```
.border{ border-color:rgb(227, 189, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 189, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 189, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 189, 68);  
box-shadow:4px 4px 4px 4px rgb(227, 189,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9195, 53.1434, 13.0428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 189, 68) }
```

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

```
.background{ background-color: rgb(227,  
189, 68) }
```

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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