

Converting Colors

XYZ(53.3305, 53.3753, 13.2243)

Have a look what the booklet for
XYZ(53.3305, 53.3753, 13.2243)
contains.

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Color

**XYZ(53.2565, 53.3929,
13.2933)**

Conversions

Conversions Part 1

Format	Color
Hex	ECBA46
RGB	236, 186, 70
RGB Percent	93%, 73%, 27%
CMY	0.0745, 0.2706, 0.7255
CMYK	0.00, 0.21, 0.70, 0.07
HSL	42°, 81%, 60%
HSV	42°, 70%, 93%
XYZ	53.2565, 53.3929, 13.2933
YIQ	187.7260, 67.0360, -25.4760

Conversions

Conversions Part 2

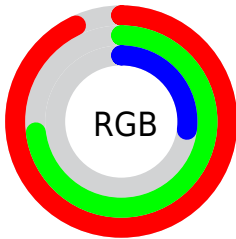
Format	Color
RYB	142, 236, 70
Decimal	15514182
CIELab	78.11, 6.58, 63.04
CIELCh	78, 63.377, 84.045
Yxy	53.3929, 0.4440, 0.4452
Android (android.graphics.Color)	4293704262 (0xFFECBA46)
YUV	187.7260, -58.0389, 42.3363
Hunter-Lab	73.0704, 2.2243, 40.3630

Details

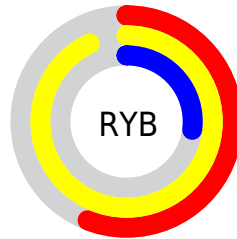
The XYZ color **53.2565, 53.3929, 13.2933** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **24.3824, 20.7905, 82.0843**, and the grayscale version is **47.9380, 50.4345, 54.9232**.

A 20% lighter version of the original color is **76.6302, 86.2195, 31.6720**, and **26.3030, 26.0095, 3.6915** is the 20% darker color. If you saturate the color by 10%, you get **51.1928, 50.2329, 9.6245**, and if you desaturate by 10%, it is **55.6897, 56.8242, 18.5297**.

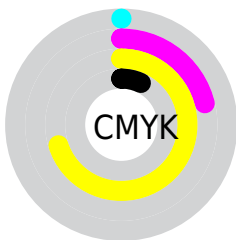
Distribution



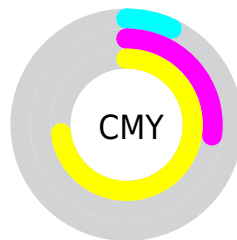
- Red (93%)
- Green (73%)
- Blue (27%)



- Red (56%)
- Yellow (93%)
- Blue (27%)



- Cyan (0%)
- Magenta (21%)
- Yellow (70%)
- Black (7%)




- Cyan (7%)
- Magenta (27%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2565, 53.3929, 13.2933 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 53.2565, 53.3929, 13.2933 by changing the saturation by 10% instead.


 53.2565, 53.3929,
13.2933


 53.2565, 53.3929,
13.2933


389.5132,
399.7907, 224.0624


 38.2359, 38.1165,
7.4977


 94.1450, 95.1823,
32.5286

 26.3439, 26.0731,
3.6921


 120.7436,
122.4640, 46.8054


 17.2151, 16.8784,
1.4580


 151.9322,
154.5164, 64.7463

 10.4842, 10.1478,
0.1864

 188.0762,
191.7237, 86.7700

 5.7859, 5.4971,
0.0000

 229.5410,
234.4704, 113.2949

 2.7547, 2.5418,
0.0000

276.6918,

 1.0254, 0.8975,

283.1409, 144.7395

0.0000

329.8941,
338.1195, 181.5225

■ 0.0000, 0.0000,
0.0000

■ 53.2565, 53.3929,
13.2933

■ 53.2565, 53.3929,
13.2933

■ 51.1928, 50.2329,
9.6245

■ 55.6897, 56.8242,
18.5297

■ 49.4574, 47.3195,
7.3272


■ 58.5204, 60.5332,
25.4922


■ 48.0332, 44.7154,
6.0993


■ 61.7776, 64.5353,
34.3233


■ 65.4865, 68.8422,
45.1497

■ 69.6698, 73.4646,
58.0870

 74.3487, 78.4125,
73.2419

 79.5429, 83.6953,
90.7138

 84.6527, 89.0745,
107.3392

 86.8197, 93.4083,
108.0615

Harmonies

Analogous

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



66.0355, 53.3929, 18.5889



53.2565, 53.3929, 13.2933



41.6601, 53.3929, 15.4759

Triad

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



53.2565, 53.3929, 13.2933



31.9773, 53.3929, 90.5455



72.5416, 53.3929, 108.0106

Complementary

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



53.2565, 53.3929, 13.2933



24.3824, 20.7905, 82.0843

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.



61.0706, 53.3929, 145.1805



53.2565, 53.3929, 13.2933



38.0237, 53.3929, 132.5554

Square

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



53.2565, 53.3929, 13.2933



30.5756, 53.3929, 51.3504



48.3202, 53.3929, 155.6257



78.2743, 53.3929, 65.4941

Rectangle

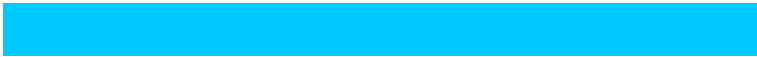
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.2565, 53.3929, 13.2933



35.9423, 53.3929, 21.6298



48.3202, 53.3929, 155.6257



69.1471, 53.3929, 122.1390

Sweetspot

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



53.2577, 53.3955, 13.2943



82.6648, 87.1565, 68.0023



40.3305, 23.6328, 21.0337



17.3878, 18.3215, 13.5960



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.



53.2577, 53.3955, 13.2943



60.1564, 58.4579, 10.1925



56.4344, 73.4927, 17.0061



15.9468, 16.8166, 15.9242



26.5957, 24.8856, 3.4017



2.1721, 2.1214, 0.2950

Inverse Universe

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



24.3824, 20.7905, 82.0843



24.0398, 17.8539, 96.7869



22.6345, 13.1711, 80.7057



14.6010, 15.2885, 19.1037



9.6894, 6.0259, 44.3954



0.8425, 0.6365, 3.5133

Previews

White Background



This preview shows how the XYZ color 53.2565, 53.3929, 13.2933 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 53.2565, 53.3929, 13.2933 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 53.2565, 53.3929, 13.2933

Background



This preview shows how black text looks on a background with the XYZ color 53.2565, 53.3929, 13.2933.



This preview shows how white text looks on a background with the XYZ color 53.2565, 53.3929,

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

53.2565, 53.3929, 13.2933

Protanopia

48.7804, 53.6504, 13.9154

Deuteranopia

54.5534, 53.4367, 13.4003



Tritanopia

61.8693, 53.3154, 54.6070

Trichromacy



Original Color

53.2565, 53.3929, 13.2933

Protanomaly

50.1996, 53.4045, 13.6235

Deuteranomaly

54.0829, 53.5036, 13.4380

Tritanomaly

57.6492, 52.7624, 33.9338

Monochromacy



Original Color

53.2565, 53.3929, 13.2933

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.0580, 50.5641, 34.0150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2565, 53.3929, 13.2933 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(236, 186, 70)` looks like.

```
.text, #text, p{  
    color:rgb(236, 186, 70)  
}
```

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(236, 186, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 186, 70) }
```

Border

The CSS property to change the border of an element to XYZ 53.2565, 53.3929, 13.2933 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(236, 186, 70) }
```


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

```
.border{ border-color:rgb(236, 186, 70) }
```

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

Here you see how a box with a 4 pixel rgb(236, 186, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 186, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 186, 70);  
box-shadow:4px 4px 4px 4px rgb(236, 186,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2565, 53.3929, 13.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 186, 70) }
```

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

```
.background{ background-color: rgb(236,  
186, 70) }
```

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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