

Converting Colors

XYZ(56.7527, 56.2702, 13.1580)

Have a look what the booklet for
XYZ(56.7527, 56.2702, 13.1580)
contains.

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Color

**XYZ(56.5189, 56.0335,
13.1469)**

Conversions

Conversions Part 1

Format	Color
Hex	F4BD43
RGB	244, 189, 67
RGB Percent	96%, 74%, 26%
CMY	0.0431, 0.2588, 0.7372
CMYK	0.00, 0.23, 0.73, 0.04
HSL	41°, 89%, 61%
HSV	41°, 73%, 96%
XYZ	56.5189, 56.0335, 13.1469
YIQ	191.5370, 71.9420, -26.2820

Conversions

Conversions Part 2

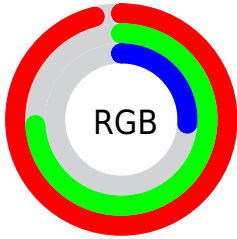
Format	Color
RYB	147, 244, 67
Decimal	16039235
CIELab	79.63, 8.25, 66.03
CIELCh	80, 66.545, 82.881
Yxy	56.0335, 0.4496, 0.4458
Android (android.graphics.Color)	4294229315 (0xFFFF4BD43)
YUV	191.5370, -61.3967, 46.0101
Hunter-Lab	74.8555, 3.7774, 41.9857

Details

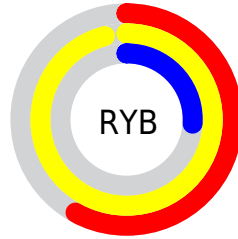
The XYZ color **56.5189, 56.0335, 13.1469** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **25.6032, 21.6433, 88.4154**, and the grayscale version is **50.1514, 52.7632, 57.4591**.

A 20% lighter version of the original color is **77.4053, 87.9700, 31.3126**, and **28.3326, 27.6756, 3.8486** is the 20% darker color. If you saturate the color by 10%, you get **54.3473, 52.6255, 9.5409**, and if you desaturate by 10%, it is **59.0865, 59.7408, 18.4061**.

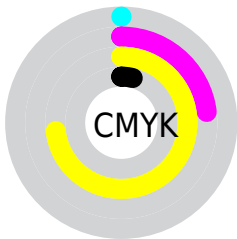
Distribution



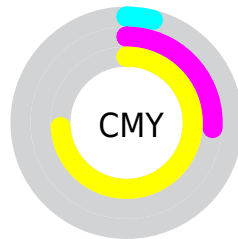
- Red (96%)
- Green (74%)
- Blue (26%)



- Red (58%)
- Yellow (96%)
- Blue (26%)



- Cyan (0%)
- Magenta (23%)
- Yellow (73%)
- Black (4%)



- Cyan (4%)
- Magenta (26%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5189, 56.0335, 13.1469 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 56.5189, 56.0335, 13.1469 by changing the saturation by 10% instead.

56.5189, 56.0335,
13.1469

56.5189, 56.0335,
13.1469

401.6875,
409.8177, 223.0978

40.8577, 40.2298,
7.3979

98.8983, 99.0536,
32.2625

28.3951, 27.7177,
3.6299

126.3472,
127.0387, 46.4661

18.7657, 18.1130,
1.4246

158.4561,
159.8531, 64.3251

11.6041, 11.0311,
0.1608

195.5903,
197.8811, 86.2578

6.5450, 6.0878,
0.0000

238.1152,
241.5072, 112.6829

3.2230, 2.8985,
0.0000

286.3961,

1.2728, 1.0790,

291.1157, 144.0189

0.0000

340.7984,
347.0911, 180.6843

■ 0.1627, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.5189, 56.0335,
13.1469

■ 56.5189, 56.0335,
13.1469

■ 54.3473, 52.6255,
9.5409

■ 59.0865, 59.7408,
18.4061


■ 52.5248, 49.4893,
7.3651


■ 62.0819, 63.7553,
25.4972


■ 51.3453, 47.3078,
6.4251

■ 65.5376, 68.0944,
34.5792


■ 69.4814, 72.7710,
45.7927

 73.9387, 77.7973,
59.2656

 78.9329, 83.1844,
75.1157

 84.4859, 88.9429,
93.4525

 89.4365, 94.6101,
108.1555

 91.1179, 97.9729,
108.7160

Harmonies

Analogous

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



70.3892, 56.0335, 19.0304



56.5189, 56.0335, 13.1469



43.8454, 56.0335, 15.1230

Triad

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



56.5189, 56.0335, 13.1469



32.8537, 56.0335, 94.4766



76.5866, 56.0335, 117.3275

Complementary

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



56.5189, 56.0335, 13.1469



25.6032, 21.6433, 88.4154

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.



63.9300, 56.0335, 157.5105



56.5189, 56.0335, 13.1469



39.1599, 56.0335, 140.9036

Square

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



56.5189, 56.0335, 13.1469



31.5448, 56.0335, 52.3070



50.1253, 56.0335, 167.5856



83.1716, 56.0335, 70.6306

Rectangle

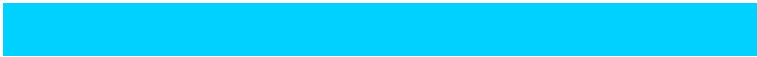
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.5189, 56.0335, 13.1469



37.5638, 56.0335, 21.3116



50.1253, 56.0335, 167.5856



72.8088, 56.0335, 132.7261

Sweetspot

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



56.5202, 56.0363, 13.1480



81.9866, 86.2776, 66.3041



42.8938, 24.6791, 21.2589



17.2478, 18.1343, 13.2634



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.



56.5202, 56.0363, 13.1480



59.0905, 56.5183, 9.2446



60.3855, 79.0364, 17.3837



17.4550, 18.3940, 17.4280



28.0462, 25.9780, 3.5361



2.5562, 2.4657, 0.3412

Inverse Universe

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



25.6032, 21.6433, 88.4154



23.4412, 17.0641, 96.6660



23.5317, 13.2247, 86.8996



16.0012, 16.7666, 20.9355



10.3837, 6.5613, 47.2572



1.0003, 0.7520, 4.1827

Previews

White Background



This preview shows how the XYZ color 56.5189, 56.0335, 13.1469 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 56.5189, 56.0335, 13.1469 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 56.5189, 56.0335, 13.1469

Background



This preview shows how black text looks on a background with the XYZ color 56.5189, 56.0335, 13.1469.



This preview shows how white text looks on a background with the XYZ color 56.5189, 56.0335,

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

56.5189, 56.0335, 13.1469

Protanopia

51.0871, 56.1900, 13.7834

Deuteranopia

57.3541, 56.1458, 13.1245



Tritanopia

65.5244, 56.0446, 56.0794

Trichromacy



Original Color

56.5189, 56.0335, 13.1469

Protanomaly

52.8716, 56.1056, 13.5117

Deuteranomaly

57.0024, 55.9645, 13.1081

Tritanomaly

61.0590, 55.4161, 34.2663

Monochromacy



Original Color

56.5189, 56.0335, 13.1469

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.7612, 53.2171, 35.2003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5189, 56.0335, 13.1469 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(244, 189, 67)` looks like.

```
.text, #text, p{  
    color:rgb(244, 189, 67)  
}
```

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(244, 189, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 189, 67) }
```

Border

The CSS property to change the border of an element to XYZ 56.5189, 56.0335, 13.1469 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(244, 189, 67) }
```


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

```
.border{ border-color:rgb(244, 189, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 189, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 189, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 189, 67);  
box-shadow:4px 4px 4px 4px rgb(244, 189,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5189, 56.0335, 13.1469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 189, 67) }
```

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

```
.background{ background-color: rgb(244,  
189, 67) }
```

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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