

Converting Colors

XYZ(56.5247, 55.9245, 7.8153)

Have a look what the booklet for
XYZ(56.5247, 55.9245, 7.8153)
contains.

XYZ(56.3410, 55.7406, 7.7895)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.3410, 55.7406,
7.7895)**

Conversions

Conversions Part 1

Format	Color
Hex	F7BC00
RGB	247, 188, 0
RGB Percent	97%, 74%, 0%
CMY	0.0314, 0.2627, 0.9999
CMYK	0.00, 0.24, 1.00, 0.03
HSL	46°, 100%, 48%
HSV	46°, 100%, 97%
XYZ	56.3410, 55.7406, 7.7895
YIQ	184.2090, 95.5120, -45.9600

Conversions

Conversions Part 2

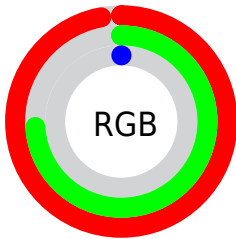
Format	Color
R _Y B	78, 247, 0
Decimal	16235520
CIE Lab	79.47, 8.52, 81.57
CIE LCh	79, 82.015, 84.034
Yxy	55.7406, 0.4700, 0.4650
Android (android.graphics.Color)	4294425600 (0xFFFF7BC00)
YUV	184.2090, -90.8150, 55.0677
Hunter-Lab	74.6596, 4.0486, 46.0758

Details

The XYZ color **56.3410, 55.7406, 7.7895** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle saturated orange. A complement of this color would be **18.3532, 9.8447, 88.9279**, and the grayscale version is **46.1279, 48.5302, 52.8494**.

A 20% lighter version of the original color is **75.1520, 86.5859, 20.9354**, and **28.6716, 27.6422, 3.8243** is the 20% darker color. If you saturate the color by 10%, you get **56.3411, 55.7413, 7.7896**, and if you desaturate by 10%, it is **57.8009, 58.3849, 9.1269**.

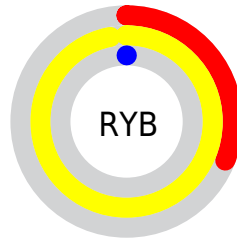
Distribution



Red (97%)

Green (74%)

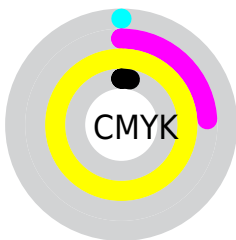
Blue (0%)



Red (31%)

Yellow (97%)

Blue (0%)

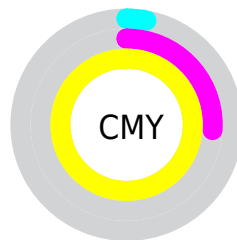


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3410, 55.7406, 7.7895 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 56.3410, 55.7406, 7.7895 by changing the saturation by 10% instead.


 56.3410, 55.7406,
7.7895

 56.3410, 55.7406,
7.7895


401.0295,
408.7132, 183.9440


 40.7145, 39.9950,
3.8747


 98.6399, 98.6252,
22.0841


 28.2827, 27.5346,
1.5569


 126.0430,
126.5330, 33.3009


 18.6804, 17.9752,
0.2598


 158.1023,
159.2636, 47.7889

 11.5422, 10.9322,
0.0000

 195.1831,
197.2015, 65.9664

 6.5028, 6.0212,
0.0000

 237.6510,
240.7310, 88.2522

 3.1967, 2.8580,
0.0000

 285.8711,

 1.2586, 1.0580,

290.2365, 115.0647

0.0000

340.2088,
346.1024, 146.8225

■ 0.1519, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.3410, 55.7406,
7.7895

■ 56.3410, 55.7406,
7.7895

■ 56.3411, 55.7413,
7.7896

■ 57.8009, 58.3849,
9.1269

■ 59.5302, 61.2182,
11.6311

■ 61.5981, 64.2712,
15.6588

■ 64.0460, 67.5614,
21.4243

■ 66.9086, 71.1038,
29.1079

■ 70.2162, 74.9112,
38.8667

■ 73.9962, 78.9955,
50.8420

■ 78.2736, 83.3675,
65.1623

■ 83.0713, 88.0374,
81.9465

Harmonies

Analogous

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



73.8474, 55.7406, 12.8950



56.3410, 55.7406, 7.7895



41.0968, 55.7406, 9.8205

Triad

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



56.3410, 55.7406, 7.7895



28.9948, 55.7406, 105.6483



82.9777, 55.7406, 131.0887

Complementary

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



56.3410, 55.7406, 7.7895



18.3532, 9.8447, 88.9279

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.



66.9574, 55.7406, 186.9785



56.3410, 55.7406, 7.7895



36.4678, 55.7406, 167.7157

Square

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



56.3410, 55.7406, 7.7895



27.3059, 55.7406, 51.7423



49.7550, 55.7406, 203.0301



91.1450, 55.7406, 70.6184

Rectangle

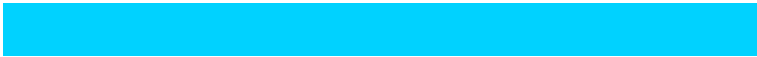
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.3410, 55.7406, 7.7895



33.8702, 55.7406, 16.0428



49.7550, 55.7406, 203.0301



78.1904, 55.7406, 152.0713

Sweetspot

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



56.3422, 55.7434, 7.7906



79.5315, 84.9052, 54.5797



39.2208, 20.1197, 6.3400



16.6423, 17.7685, 10.4556



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.



56.3422, 55.7434, 7.7906



60.5522, 59.8844, 8.3674



53.3296, 76.8670, 12.0266



17.5597, 18.6035, 17.4629



29.9127, 29.7109, 4.1582



2.7077, 2.7686, 0.3917

Inverse Universe

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



18.3532, 9.8447, 88.9279



19.7138, 10.5477, 95.6046



18.7605, 7.7323, 88.4987



15.9025, 16.5693, 20.9026



9.7969, 5.3876, 47.0616



0.9375, 0.6265, 4.1617

Previews

White Background



This preview shows how the XYZ color 56.3410, 55.7406, 7.7895 looks on a white background.

Color Contrast Check

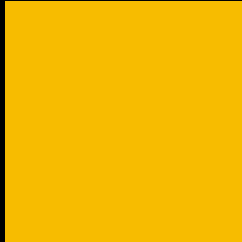
Large Text (above 18pt) WCAG AA × Fail

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 56.3410, 55.7406, 7.7895 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 56.3410, 55.7406, 7.7895

Background



This preview shows how black text looks on a background with the XYZ color 56.3410, 55.7406, 7.7895.



This preview shows how white text looks on a background with the XYZ color 56.3410, 55.7406,

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

56.3410, 55.7406, 7.7895

Protanopia

50.3909, 55.9468, 8.5237

Deuteranopia

56.8811, 55.6979, 7.9825



Tritanopia

65.6471, 55.5508, 54.8393

Trichromacy



Original Color

56.3410, 55.7406, 7.7895

Protanomaly

52.2906, 55.5900, 8.2037

Deuteranomaly

56.5091, 55.5081, 7.8794

Tritanomaly

59.8563, 54.6940, 25.1715

Monochromacy



Original Color

56.3410, 55.7406, 7.7895

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.2920, 49.2477, 23.8955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3410, 55.7406, 7.7895 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(247, 188, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 188, 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(247, 188, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 188, 0) }
```

Border

The CSS property to change the border of an element to XYZ 56.3410, 55.7406, 7.7895 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(247, 188, 0) }
```


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

```
.border{ border-color:rgb(247, 188, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 188, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 188, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 188, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 188,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3410, 55.7406, 7.7895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 188, 0) }
```

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

```
.background{ background-color: rgb(247,  
188, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor