

# Converting Colors

XYZ(38.2282, 30.1394, 7.5440)

Have a look what the booklet for  
XYZ(38.2282, 30.1394, 7.5440)  
contains.

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# Color

**XYZ(38.2282, 30.1394,  
7.5440)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF7B38
RGB	223, 123, 56
RGB Percent	87%, 48%, 22%
CMY	0.1255, 0.5176, 0.7804
CMYK	0.00, 0.45, 0.75, 0.13
HSL	24°, 72%, 55%
HSV	24°, 75%, 87%
XYZ	38.2282, 30.1394, 7.5440
YIQ	145.2620, 81.1070, 0.3630

# Conversions

## Conversions Part 2

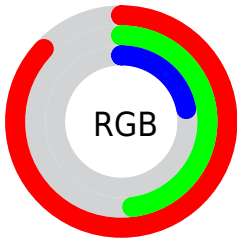
Format	Color
R <sub>YB</sub>	223, 168, 56
Decimal	14646072
CIE Lab	61.77, 33.84, 51.95
CIE LCh	62, 62.001, 56.916
Yxy	30.1394, 0.5036, 0.3970
Android (android.graphics.Color)	4292836152 (0xFFDF7B38)
YUV	145.2620, -44.0062, 68.1762
Hunter-Lab	54.8994, 28.2214, 30.2822

# Details

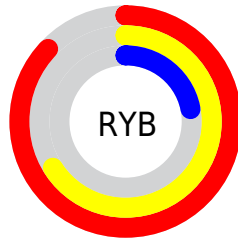
The XYZ color **38.2282, 30.1394, 7.5440** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **26.8377, 29.9436, 74.1768**, and the grayscale version is **27.1715, 28.5865, 31.1308**.

A 20% lighter version of the original color is **59.6160, 53.7658, 21.1457**, and **17.2177, 12.3161, 1.4698** is the 20% darker color. If you saturate the color by 10%, you get **36.2544, 26.8790, 4.7683**, and if you desaturate by 10%, it is **40.6721, 33.9519, 11.6743**.

# Distribution



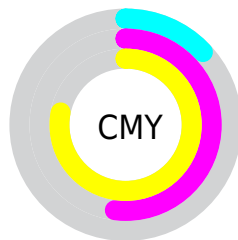
- Red (87%)
- Green (48%)
- Blue (22%)



- Red (87%)
- Yellow (66%)
- Blue (22%)



- Cyan (0%)
- Magenta (45%)
- Yellow (75%)
- Black (13%)




- Cyan (13%)
- Magenta (52%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2282, 30.1394, 7.5440 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 38.2282, 30.1394, 7.5440 by changing the saturation by 10% instead.





 38.2282, 30.1394,  
7.5440


 38.2282, 30.1394,  
7.5440


329.8618,  
302.5537, 181.9093

 26.3379, 19.9444,  
3.7210

 71.7594, 59.8826,  
21.5907


 17.2106, 12.3546,  
1.4736


 94.1310, 80.1995,  
32.6516

 10.4810, 6.9857,  
0.1981


 120.7271,  
104.6593, 46.9621

 5.7837, 3.4532,  
0.0000

 151.9130,  
133.6462, 64.9409

 2.7534, 1.3726,  
0.0000

 188.0540,  
167.5447, 87.0065

 1.0247, 0.1964,  
0.0000

 229.5156,

 0.0000, 0.0000,

206.7392, 113.5774

0.0000

276.6631,  
251.6141, 145.0721

■ 38.2282, 30.1394,  
7.5440

■ 38.2282, 30.1394,  
7.5440

■ 36.2544, 26.8790,  
4.7683

■ 40.6721, 33.9519,  
11.6743

■ 34.7045, 24.1339,  
3.1581

■ 43.6211, 38.3405,  
17.3112

■ 34.0432, 22.9119,  
2.6282

■ 47.1088, 43.3326,  
24.5878

■ 51.1648, 48.9527,  
33.6218

■ 55.8162, 55.2235,  
44.5202

■ 61.0885, 62.1662,  
57.3811

■ 67.0052, 69.8015,  
72.2960

■ 73.5888, 78.1486,  
89.3502

■ 80.5854, 87.1163,  
107.1756

# Harmonies

## Analogous

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



45.2850, 30.1394, 16.2222



38.2282, 30.1394, 7.5440



29.5101, 30.1394, 5.1187

# Triad

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



38.2282, 30.1394, 7.5440



15.5258, 30.1394, 30.4284



36.4611, 30.1394, 92.4401

# Complementary

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



38.2282, 30.1394, 7.5440



26.8377, 29.9436, 74.1768

# 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.



27.8001, 30.1394, 102.4880



38.2282, 30.1394, 7.5440



16.6827, 30.1394, 58.0376

# Square

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



38.2282, 30.1394, 7.5440



17.2861, 30.1394, 13.7125



20.8168, 30.1394, 87.6416



44.1346, 30.1394, 64.4637



# Rectangle

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



38.2282, 30.1394, 7.5440



24.2661, 30.1394, 5.6904



20.8168, 30.1394, 87.6416



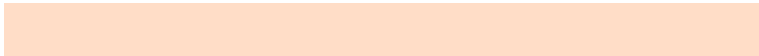
33.5249, 30.1394, 98.4740

# Sweetspot

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



38.2289, 30.1410, 7.5445



77.5018, 77.3081, 64.8091



37.8632, 20.9235, 33.5846



16.1890, 16.0166, 12.9105



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.



38.2289, 30.1410, 7.5445



47.8503, 34.1912, 5.0258



53.2886, 60.2604, 12.5644



14.1563, 14.5987, 14.3785



20.1209, 13.6796, 1.5799



1.4806, 1.1201, 0.1382



# Inverse Universe

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



26.8377, 29.9436, 74.1768



31.5458, 33.5981, 99.4302



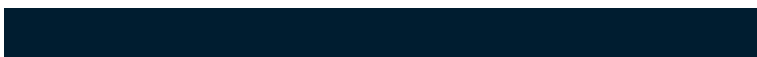
17.3132, 10.8945, 71.0019



13.6312, 14.6014, 17.4876



12.9191, 13.3079, 42.9361



0.9825, 1.0964, 3.0051



# Previews

## White Background



This preview shows how the XYZ color 38.2282, 30.1394, 7.5440 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 38.2282, 30.1394, 7.5440 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 38.2282, 30.1394, 7.5440**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.2282, 30.1394, 7.5440.



This preview shows how white text looks on a background with the XYZ color 38.2282, 30.1394,



# 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

38.2282, 30.1394, 7.5440

### Protanopia

27.7681, 30.3983, 9.2544

### Deuteranopia

30.7422, 30.1411, 7.2151



## Tritanopia

41.5620, 30.2769, 22.7223

# Trichromacy



## Original Color

38.2282, 30.1394, 7.5440

## Protanomaly

30.7139, 29.6579, 8.5206

## Deuteranomaly

33.1032, 29.8552, 7.2667

## Tritanomaly

40.2130, 30.2633, 15.5263

# Monochromacy



## Original Color

38.2282, 30.1394, 7.5440

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

29.1599, 27.9678, 19.4842

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.2282, 30.1394, 7.5440 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(223, 123, 56)` looks like.

```
.text, #text, p{  
    color:rgb(223, 123, 56)  
}
```

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(223, 123, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 123, 56) }
```

## Border

The CSS property to change the border of an element to XYZ 38.2282, 30.1394, 7.5440 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(223, 123, 56) }
```



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

```
.border{ border-color:rgb(223, 123, 56) }
```

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

Here you see how a box with a 4 pixel rgb(223, 123, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 123, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 123, 56);  
box-shadow:4px 4px 4px 4px rgb(223, 123,  
56) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.2282, 30.1394, 7.5440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 123, 56) }
```

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

```
.background{ background-color: rgb(223,  
123, 56) }
```

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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