

Converting Colors

XYZ(56.5716, 49.3641, 20.2388)

Have a look what the booklet for
XYZ(56.5716, 49.3641, 20.2388)
contains.

XYZ(56.5651, 49.3735, 20.1844)	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(56.5651, 49.3735,
20.1844)**

Conversions

Conversions Part 1

Format	Color
Hex	FCA76A
RGB	252, 167, 106
RGB Percent	99%, 65%, 42%
CMY	0.0118, 0.3451, 0.5843
CMYK	0.00, 0.34, 0.58, 0.01
HSL	25°, 96%, 70%
HSV	25°, 58%, 99%
XYZ	56.5651, 49.3735, 20.1844
YIQ	185.4610, 70.2410, -0.9510

Conversions

Conversions Part 2

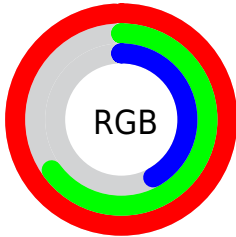
Format	Color
R _Y B	252, 211, 106
Decimal	16557930
CIE Lab	75.68, 25.39, 44.04
CIE LCh	76, 50.830, 60.038
Yxy	49.3735, 0.4485, 0.3915
Android (android.graphics.Color)	4294748010 (0xFFFC A76A)
YUV	185.4610, -39.1743, 58.3547
Hunter-Lab	70.2663, 20.7284, 32.1550

Details

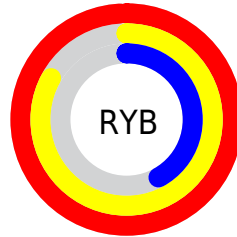
The XYZ color **56.5651, 49.3735, 20.1844** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.1442, 47.3516, 99.0135**, and the grayscale version is **46.5563, 48.9809, 53.3402**.

A 20% lighter version of the original color is **73.6193, 76.0058, 43.5913**, and **28.5828, 23.7535, 6.8198** is the 20% darker color. If you saturate the color by 10%, you get **52.9054, 43.8524, 13.4216**, and if you desaturate by 10%, it is **60.9170, 55.6633, 29.0779**.

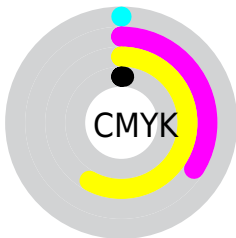
Distribution



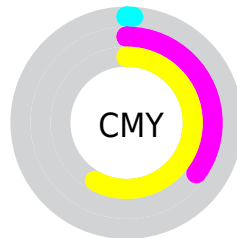
- Red (99%)
- Green (65%)
- Blue (42%)



- Red (99%)
- Yellow (83%)
- Blue (42%)



- Cyan (0%)
- Magenta (34%)
- Yellow (58%)
- Black (1%)



- Cyan (1%)
- Magenta (35%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5651, 49.3735, 20.1844 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 56.5651, 49.3735, 20.1844 by changing the saturation by 10% instead.

56.5651, 49.3735,
20.1844

56.5651, 49.3735,
20.1844

401.8583,
384.2109, 265.5488

40.8950, 34.9159,
12.3437

98.9654, 89.2459,
44.5892

28.4243, 23.5981,
6.8529

126.4262,
115.4295, 61.9903

18.7878, 15.0357,
3.2932

158.5479,
146.2905, 83.4155

11.6202, 8.8445,
1.2462

195.6960,
182.2134, 109.2830

6.5560, 4.6399,
0.0171

238.2357,
223.5824, 140.0116

3.2298, 2.0376,
0.0000

286.5324,

1.2764, 0.6292,

270.7821, 176.0198

0.0000

340.9515,
324.1968, 217.7260

■ 0.1655, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.5651, 49.3735,
20.1844

■ 56.5651, 49.3735,
20.1844

■ 52.9054, 43.8524,
13.4216

■ 60.9170, 55.6633,
29.0779

■ 49.8895, 39.0585,
8.6001

■ 65.9978, 62.7460,
40.2639

■ 47.4667, 34.9562,
5.5008

■ 71.8456, 70.6535,
53.8913

■ 45.5702, 31.5009,
3.8278

■ 78.4944, 79.4136,
70.0957

45.2266, 30.8593,
3.5727

85.9759, 89.0526,
89.0026

93.9547, 99.4353,
108.8487

Harmonies

Analogous

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



64.4143, 49.3735, 31.7541



56.5651, 49.3735, 20.1844



46.9161, 49.3735, 16.7879

Triad

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



56.5651, 49.3735, 20.1844



31.0493, 49.3735, 53.7935



56.5885, 49.3735, 112.3114

Complementary

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



56.5651, 49.3735, 20.1844



42.1442, 47.3516, 99.0135

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.



46.9399, 49.3735, 124.0826



56.5651, 49.3735, 20.1844



32.9327, 49.3735, 84.1215

Square

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



56.5651, 49.3735, 20.1844



32.9233, 49.3735, 31.7957



38.4529, 49.3735, 112.3671



64.4290, 49.3735, 84.0419

Rectangle

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



56.5651, 49.3735, 20.1844



40.9930, 49.3735, 18.2747



38.4529, 49.3735, 112.3671



53.4100, 49.3735, 118.6803

Sweetspot

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



56.5663, 49.3760, 20.1853



81.3107, 82.4581, 73.6866



54.7213, 34.7727, 53.2144



17.0921, 17.2433, 14.9978



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.



56.5663, 49.3760, 20.1853



53.6425, 43.9498, 12.5849



73.8572, 83.9578, 25.9490



17.8405, 18.4169, 18.0769



23.6970, 16.3506, 1.9070



2.2968, 1.7184, 0.2106

Inverse Universe

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



42.1442, 47.3516, 99.0135



37.4753, 41.5869, 100.6597



30.0129, 23.0891, 94.9697



17.1225, 18.3219, 22.0193



14.7127, 14.7810, 50.0511



1.4674, 1.5784, 4.6705

Previews

White Background



This preview shows how the XYZ color 56.5651, 49.3735, 20.1844 looks on a white background.

Color Contrast Check

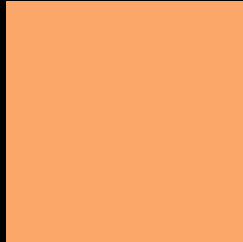
Large Text (above 18pt) WCAG AA × Fail

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 56.5651, 49.3735, 20.1844 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 56.5651, 49.3735, 20.1844

Background



This preview shows how black text looks on a background with the XYZ color 56.5651, 49.3735, 20.1844.



This preview shows how white text looks on a background with the XYZ color 56.5651, 49.3735,

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

56.5651, 49.3735, 20.1844

Protanopia

45.6528, 49.5703, 22.7846

Deuteranopia

50.4140, 49.3342, 19.9621



Tritanopia

61.1615, 49.3419, 44.8285

Trichromacy



Original Color

56.5651, 49.3735, 20.1844

Protanomaly

48.9545, 49.1405, 21.6567

Deuteranomaly

52.6109, 49.2965, 20.1069

Tritanomaly

59.2367, 49.3718, 34.0114

Monochromacy



Original Color

56.5651, 49.3735, 20.1844

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

48.2156, 47.7964, 38.1369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5651, 49.3735, 20.1844 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(252, 167, 106)` looks like.

```
.text, #text, p{  
    color:rgb(252, 167, 106)  
}
```

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(252, 167, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 167, 106) }
```

Border

The CSS property to change the border of an element to XYZ 56.5651, 49.3735, 20.1844 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(252, 167, 106) }
```


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

```
.border{ border-color:rgb(252, 167, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 167, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 167, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 167, 106);  
box-shadow:4px 4px 4px 4px rgb(252, 167,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5651, 49.3735, 20.1844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 167, 106) }
```

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

```
.background{ background-color: rgb(252,  
167, 106) }
```

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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