

Converting Colors

XYZ(55.5959, 50.4162, 9.8747)

Have a look what the booklet for
XYZ(55.5959, 50.4162, 9.8747)
contains.

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Color

**XYZ(55.4731, 50.4308,
9.8280)**

Conversions

Conversions Part 1

Format	Color
Hex	FCAC32
RGB	252, 172, 50
RGB Percent	99%, 67%, 20%
CMY	0.0118, 0.3255, 0.8039
CMYK	0.00, 0.32, 0.80, 0.01
HSL	36°, 97%, 59%
HSV	36°, 80%, 99%
XYZ	55.4731, 50.4308, 9.8280
YIQ	182.0120, 86.8420, -20.9820

Conversions

Conversions Part 2

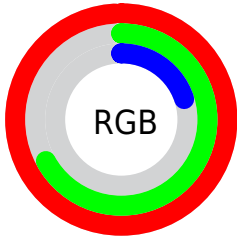
Format	Color
R_{YB}	182, 252, 50
Decimal	16559154
CIE Lab	76.33, 19.86, 69.48
CIE LCh	76, 72.263, 74.047
Yxy	50.4308, 0.4793, 0.4358
Android (android.graphics.Color)	4294749234 (0xFFFCAC32)
YUV	182.0120, -65.0819, 61.3795
Hunter-Lab	71.0146, 15.1597, 41.5049

Details

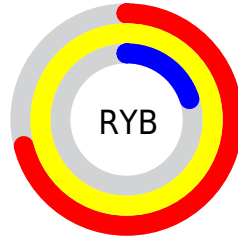
The XYZ color **55.4731, 50.4308, 9.8280** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **26.8683, 23.6708, 95.2474**, and the grayscale version is **44.7817, 47.1138, 51.3069**.

A 20% lighter version of the original color is **71.3106, 77.2388, 24.7858**, and **27.9517, 24.3801, 3.2326** is the 20% darker color. If you saturate the color by 10%, you get **53.2431, 46.6150, 7.1001**, and if you desaturate by 10%, it is **58.1467, 54.6565, 14.1785**.

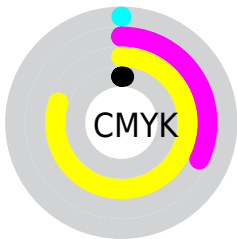
Distribution



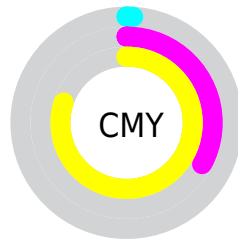
- Red (99%)
- Green (67%)
- Blue (20%)



- Red (71%)
- Yellow (99%)
- Blue (20%)



- Cyan (0%)
- Magenta (32%)
- Yellow (80%)
- Black (1%)





- Cyan (1%)
- Magenta (33%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.4731, 50.4308, 9.8280 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 55.4731, 50.4308, 9.8280 by changing the saturation by 10% instead.


 55.4731, 50.4308,
9.8280


 55.4731, 50.4308,
9.8280


397.8101,
388.3482, 199.8800


 40.0160, 35.7558,
5.1810

 97.3781, 90.8128,
26.0742


 27.7353, 24.2457,
2.2932


 124.5566,
117.2887, 38.5105

 18.2656, 15.5160,
0.7274


 156.3730,
148.4670, 54.3802

 11.2417, 9.1823,
0.0000

 193.1926,
184.7320, 74.1020

 6.2981, 4.8603,
0.0000

 235.3807,
226.4683, 98.0943

 3.0696, 2.1655,
0.0000

 283.3028,

 1.1907, 0.7011,

274.0602, 126.7757

0.0000

337.3241,
327.8920, 160.5648

■ 0.0990, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.4731, 50.4308,
9.8280

■ 55.4731, 50.4308,
9.8280

■ 53.2431, 46.6150,
7.1001

■ 58.1467, 54.6565,
14.1785

■ 51.4060, 43.2183,
5.6326

■ 61.3066, 59.3076,
20.3758

■ 64.9927, 64.4069,
28.6114

■ 69.2393, 69.9727,
39.0517

■ 74.0773, 76.0217,
51.8458

■ 79.5351, 82.5697,
67.1299

■ 85.6389, 89.6313,
85.0294

■ 92.4135, 97.2204,
105.6614

■ 93.9545, 99.4353,
108.8487

Harmonies

Analogous

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



69.2554, 50.4308, 17.6035



55.4731, 50.4308, 9.8280



41.8708, 50.4308, 9.6250

Triad

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



55.4731, 50.4308, 9.8280



26.8036, 50.4308, 75.1336



68.4737, 50.4308, 128.0998

Complementary

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



55.4731, 50.4308, 9.8280



26.8683, 23.6708, 95.2474

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.



54.5538, 50.4308, 164.0823



55.4731, 50.4308, 9.8280



31.5089, 50.4308, 125.0318

Square

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



55.4731, 50.4308, 9.8280



26.9564, 50.4308, 36.8162



41.1090, 50.4308, 162.7507



77.6747, 50.4308, 78.1329

Rectangle

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



55.4731, 50.4308, 9.8280



34.7505, 50.4308, 13.3345



41.1090, 50.4308, 162.7507



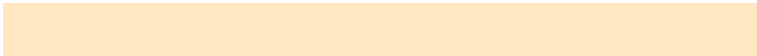
64.0875, 50.4308, 143.0927

Sweetspot

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



55.4742, 50.4334, 9.8289



79.4651, 82.1660, 62.5926



45.3687, 24.6102, 23.7616



16.5842, 17.0762, 12.2124



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.



55.4742, 50.4334, 9.8289



53.5324, 45.7554, 6.3031



68.5996, 86.9728, 16.1900



18.1169, 18.9696, 18.1690



26.9262, 22.8090, 2.9834



2.5973, 2.3194, 0.3108

Inverse Universe

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



26.8683, 23.6708, 95.2474



23.4503, 17.8311, 96.8135



21.2519, 10.6195, 93.0243



16.8470, 17.7708, 21.9275



11.6504, 8.6563, 49.0303



1.1792, 1.0021, 4.5745

Previews

White Background



This preview shows how the XYZ color 55.4731, 50.4308, 9.8280 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 55.4731, 50.4308, 9.8280 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 55.4731, 50.4308, 9.8280

Background



This preview shows how black text looks on a background with the XYZ color 55.4731, 50.4308, 9.8280.



This preview shows how white text looks on a background with the XYZ color 55.4731, 50.4308,

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

55.4731, 50.4308, 9.8280

Protanopia

46.0148, 50.6586, 10.8429

Deuteranopia

51.5582, 50.4500, 9.7097



Tritanopia

61.9772, 50.5104, 46.5273

Trichromacy



Original Color

55.4731, 50.4308, 9.8280

Protanomaly

49.2546, 50.4549, 10.5109

Deuteranomaly

52.6768, 50.1413, 9.6982

Tritanomaly

58.4717, 49.9282, 27.3242

Monochromacy



Original Color

55.4731, 50.4308, 9.8280

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.9556, 46.8274, 29.1707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4731, 50.4308, 9.8280 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, 172, 50)` looks like.

```
.text, #text, p{  
    color:rgb(252, 172, 50)  
}
```

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, 172, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 172, 50) }
```

Border

The CSS property to change the border of an element to XYZ 55.4731, 50.4308, 9.8280 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, 172, 50) }
```


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

```
.border{ border-color:rgb(252, 172, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 172, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 172, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 172, 50);  
box-shadow:4px 4px 4px 4px rgb(252, 172,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4731, 50.4308, 9.8280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 172, 50) }
```

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

```
.background{ background-color: rgb(252,  
172, 50) }
```

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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