

Converting Colors

XYZ(50.6870, 43.2139, 22.1282)

Have a look what the booklet for
XYZ(50.6870, 43.2139, 22.1282)
contains.

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Color

**XYZ(50.8089, 43.2289,
22.1891)**

Conversions

Conversions Part 1

Format	Color
Hex	F09B74
RGB	240, 155, 116
RGB Percent	94%, 61%, 45%
CMY	0.0588, 0.3921, 0.5451
CMYK	0.00, 0.35, 0.52, 0.06
HSL	19°, 81%, 70%
HSV	19°, 52%, 94%
XYZ	50.8089, 43.2289, 22.1891
YIQ	175.9690, 63.1790, 5.8910

Conversions

Conversions Part 2

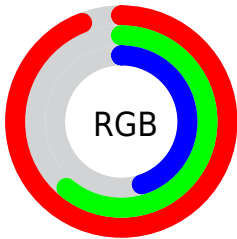
Format	Color
R _Y B	240, 173, 116
Decimal	15768436
CIE Lab	71.71, 27.73, 33.53
CIE LCh	72, 43.512, 50.407
Yxy	43.2289, 0.4372, 0.3719
Android (android.graphics.Color)	4293958516 (0xFFFF09B74)
YUV	175.9690, -29.5647, 56.1552
Hunter-Lab	65.7487, 22.8800, 26.0147

Details

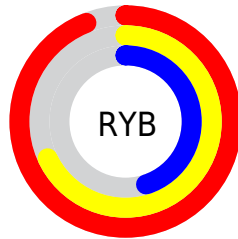
The XYZ color **50.8089, 43.2289, 22.1891** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **43.8162, 51.7751, 90.1220**, and the grayscale version is **41.3779, 43.5328, 47.4072**.

A 20% lighter version of the original color is **71.3545, 70.1803, 46.8312**, and **24.9194, 19.9295, 7.8436** is the 20% darker color. If you saturate the color by 10%, you get **47.0353, 37.6349, 14.9108**, and if you desaturate by 10%, it is **55.3182, 49.7175, 31.4924**.

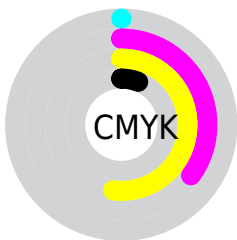
Distribution



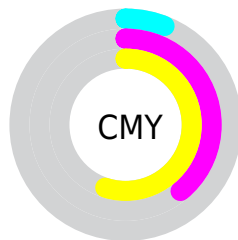
- Red (94%)
- Green (61%)
- Blue (45%)



- Red (94%)
- Yellow (68%)
- Blue (45%)



- Cyan (0%)
- Magenta (35%)
- Yellow (52%)
- Black (6%)



- Cyan (6%)
- Magenta (39%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8089, 43.2289, 22.1891 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 50.8089, 43.2289, 22.1891 by changing the saturation by 10% instead.

50.8089, 43.2289,
22.1891

50.8089, 43.2289,
22.1891

380.2208,
359.5523, 276.5179

36.2770, 30.0648,
13.7963

90.5569, 80.0562,
47.9645

24.8193, 19.8877,
7.8420

116.5037,
104.4881, 66.1842

16.0705, 12.3135,
3.9077

146.9861,
133.4447, 88.5166

9.6652, 6.9575,
1.5748

182.3696,
167.3104, 115.3802

5.2381, 3.4356,
0.2728

223.0194,
206.4696, 147.1936

2.4238, 1.3631,
0.0000

269.3010,

0.8570, 0.1893,

251.3068, 184.3753

0.0000

321.5797,
302.2062, 227.3439

■ 0.0000, 0.0000,
0.0000

■ 50.8089, 43.2289,
22.1891

■ 50.8089, 43.2289,
22.1891

■ 47.0353, 37.6349,
14.9108

■ 55.3182, 49.7175,
31.4924

■ 43.9510, 32.8876,
9.5006

■ 60.5995, 57.1325,
42.9564

■ 41.5083, 28.9442,
5.7821

■ 66.6904, 65.5122,
56.7079


■ 39.6508, 25.7546,
3.5432

■ 73.6248, 74.8906,
72.8632

■ 38.4848, 23.6247,
2.5317

■ 81.4348, 85.2999,
91.5304

 89.3347, 96.4446,
108.5150

 89.7450, 97.2652,
108.6517

Harmonies

Analogous

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



55.8700, 43.2289, 34.2760



50.8089, 43.2289, 22.1891



43.4977, 43.2289, 17.2984

Triad

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



50.8089, 43.2289, 22.1891



28.6269, 43.2289, 40.6172



46.2355, 43.2289, 96.3409

Complementary

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



50.8089, 43.2289, 22.1891



43.8162, 51.7751, 90.1220

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.



38.7685, 43.2289, 99.5708



50.8089, 43.2289, 22.1891



29.1741, 43.2289, 62.7044

Square

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



50.8089, 43.2289, 22.1891



31.0966, 43.2289, 25.6326



32.6931, 43.2289, 85.8323



53.0180, 43.2289, 78.0025

Rectangle

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



50.8089, 43.2289, 22.1891



38.5781, 43.2289, 17.3498



32.6931, 43.2289, 85.8323



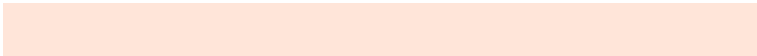
43.7040, 43.2289, 99.4059

Sweetspot

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



50.8100, 43.2311, 22.1899



81.6909, 82.1748, 77.0310



52.9363, 35.3186, 60.4023



17.1225, 17.0987, 15.6416



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.



50.8100, 43.2311, 22.1899



53.7696, 42.8744, 16.7265



63.4389, 68.4890, 26.3996



16.1785, 16.5701, 16.4954



21.1721, 13.1423, 1.4208



1.8471, 1.2649, 0.1468

Inverse Universe

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



43.8162, 51.7751, 90.1220



44.8646, 53.5468, 102.5787



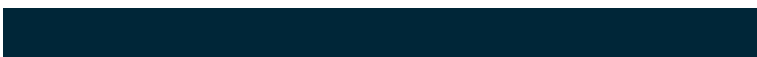
32.4264, 28.9955, 86.3254



15.8036, 17.0413, 20.1780



16.0511, 18.3264, 47.8192



1.4239, 1.7019, 4.0077

Previews

White Background



This preview shows how the XYZ color 50.8089, 43.2289, 22.1891 looks on a white background.

Color Contrast Check

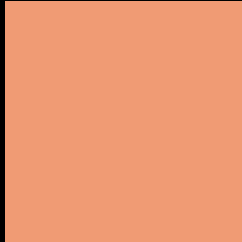
Large Text (above 18pt) WCAG AA × Fail

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 50.8089, 43.2289, 22.1891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

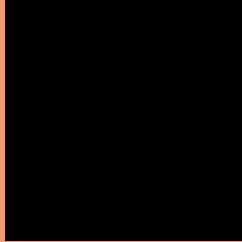
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8089, 43.2289, 22.1891

Background



This preview shows how black text looks on a background with the XYZ color 50.8089, 43.2289, 22.1891.



This preview shows how white text looks on a background with the XYZ color 50.8089, 43.2289,

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

50.8089, 43.2289, 22.1891

Protanopia

40.4622, 43.4785, 25.6616

Deuteranopia

44.1346, 43.1946, 21.6340



Tritanopia

54.0548, 43.0876, 38.7255

Trichromacy



Original Color

50.8089, 43.2289, 22.1891

Protanomaly

43.5279, 42.8203, 24.3833

Deuteranomaly

46.2587, 42.9389, 21.7695

Tritanomaly

52.7186, 43.0241, 31.9115

Monochromacy



Original Color

50.8089, 43.2289, 22.1891

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.3886, 42.4805, 36.4846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8089, 43.2289, 22.1891 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(240, 155, 116)` looks like.

```
.text, #text, p{  
    color:rgb(240, 155, 116)  
}
```

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(240, 155, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 155, 116) }
```

Border

The CSS property to change the border of an element to XYZ 50.8089, 43.2289, 22.1891 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(240, 155, 116) }
```


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

```
.border{ border-color:rgb(240, 155, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 155, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 155, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 155, 116);  
box-shadow:4px 4px 4px 4px rgb(240, 155,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8089, 43.2289, 22.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 155, 116) }
```

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

```
.background{ background-color: rgb(240,  
155, 116) }
```

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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