

Converting Colors

XYZ(51.7882, 44.0203, 22.3758)

Have a look what the booklet for
XYZ(51.7882, 44.0203, 22.3758)
contains.

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Color

**XYZ(51.6588, 43.9151,
22.2767)**

Conversions

Conversions Part 1

Format	Color
Hex	F29C74
RGB	242, 156, 116
RGB Percent	95%, 61%, 45%
CMY	0.0510, 0.3882, 0.5451
CMYK	0.00, 0.36, 0.52, 0.05
HSL	19°, 83%, 70%
HSV	19°, 52%, 95%
XYZ	51.6588, 43.9151, 22.2767
YIQ	177.1540, 64.0960, 5.7920

Conversions

Conversions Part 2

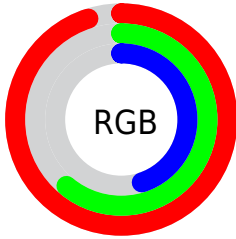
Format	Color
R _Y B	242, 175, 116
Decimal	15899764
CIE Lab	72.17, 27.99, 34.17
CIE LCh	72, 44.172, 50.677
Yxy	43.9151, 0.4383, 0.3726
Android (android.graphics.Color)	4294089844 (0xFFFF29C74)
YUV	177.1540, -30.1489, 56.8699
Hunter-Lab	66.2685, 23.1777, 26.4571

Details

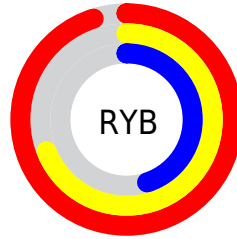
The XYZ color **51.6588, 43.9151, 22.2767** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.3489, 52.3624, 91.7737**, and the grayscale version is **42.0018, 44.1892, 48.1220**.

A 20% lighter version of the original color is **71.6957, 70.7131, 47.4063**, and **25.2548, 20.2510, 7.8879** is the 20% darker color. If you saturate the color by 10%, you get **47.8447, 38.2539, 14.9418**, and if you desaturate by 10%, it is **56.2186, 50.4811, 31.6696**.

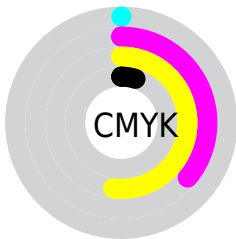
Distribution



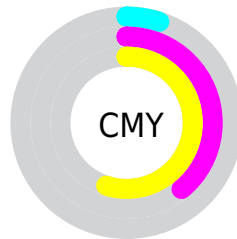
- Red (95%)
- Green (61%)
- Blue (45%)



- Red (95%)
- Yellow (69%)
- Blue (45%)



- Cyan (0%)
- Magenta (36%)
- Yellow (52%)
- Black (5%)




- Cyan (5%)
- Magenta (39%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6588, 43.9151, 22.2767 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 51.6588, 43.9151, 22.2767 by changing the saturation by 10% instead.


 51.6588, 43.9151,
22.2767

 51.6588, 43.9151,
22.2767


383.4636,
362.3617, 276.9884

 36.9564, 30.6038,
13.8601


 91.8051, 81.0900,
48.1109

 25.3472, 20.2973,
7.8858

 117.9796,
105.7223, 66.3657

 16.4660, 12.6114,
3.9352

 148.7088,
134.8971, 88.7368

 9.9475, 7.1615,
1.5899

184.3582,
168.9987, 115.6430

 5.4261, 3.5633,
0.2836

225.2930,
208.4116, 147.5027

 2.5367, 1.4324,
0.0000

271.8786,

 0.9138, 0.2404,

253.5202, 184.7345

0.0000

324.4803,
304.7087, 227.7568

■ 0.0000, 0.0000,
0.0000

■ 51.6588, 43.9151,
22.2767

■ 51.6588, 43.9151,
22.2767

■ 47.8447, 38.2539,
14.9418

■ 56.2186, 50.4811,
31.6696

■ 44.7288, 33.4491,
9.5041

■ 61.5610, 57.9841,
43.2597

■ 42.2626, 29.4572,
5.7826


■ 67.7244, 66.4629,
57.1767

■ 40.3883, 26.2273,
3.5588

■ 74.7432, 75.9520,
73.5394

■ 39.2603, 24.1621,
2.5945

■ 82.6502, 86.4839,
92.4586

 90.4278, 97.6172,
108.6837

Harmonies

Analogous

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



56.8909, 43.9151, 34.5570



51.6588, 43.9151, 22.2767



44.1425, 43.9151, 17.3514

Triad

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



51.6588, 43.9151, 22.2767



28.9624, 43.9151, 41.3762



47.0927, 43.9151, 98.3750

Complementary

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



51.6588, 43.9151, 22.2767



44.3489, 52.3624, 91.7737

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.



39.4262, 43.9151, 101.8678



51.6588, 43.9151, 22.2767



29.5504, 43.9151, 64.0952

Square

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



51.6588, 43.9151, 22.2767



31.4632, 43.9151, 25.9676



33.1798, 43.9151, 87.8510



54.0413, 43.9151, 79.3917

Rectangle

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



51.6588, 43.9151, 22.2767



39.1013, 43.9151, 17.4385



33.1798, 43.9151, 87.8510



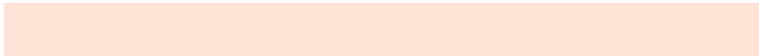
44.4948, 43.9151, 101.5850

Sweetspot

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



51.6599, 43.9173, 22.2775



80.9145, 81.1478, 75.1508



53.5359, 35.6373, 59.9964



16.9699, 16.8969, 15.2715



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.



51.6599, 43.9173, 22.2775



53.8419, 43.0190, 16.7505



65.0757, 70.7490, 26.7495



16.1824, 16.5779, 16.4967



21.1994, 13.1969, 1.4299



1.8498, 1.2702, 0.1477

Inverse Universe

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



44.3489, 52.3624, 91.7737



44.7532, 53.3241, 102.5416



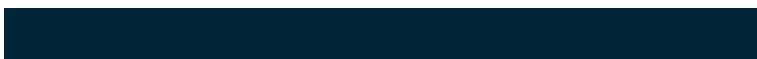
32.4769, 28.6184, 87.8163



15.7995, 17.0332, 20.1766



15.9823, 18.1888, 47.7963



1.4186, 1.6912, 4.0059

Previews

White Background



This preview shows how the XYZ color 51.6588, 43.9151, 22.2767 looks on a white background.

Color Contrast Check

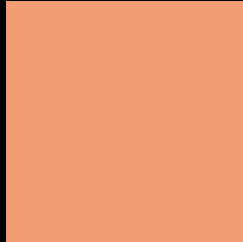
Large Text (above 18pt) WCAG AA × Fail

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 51.6588, 43.9151, 22.2767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

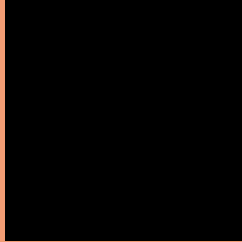
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6588, 43.9151, 22.2767

Background



This preview shows how black text looks on a background with the XYZ color 51.6588, 43.9151, 22.2767.



This preview shows how white text looks on a background with the XYZ color 51.6588, 43.9151,

22.2767.

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

51.6588, 43.9151, 22.2767

Protanopia

40.9097, 44.0013, 25.7390

Deuteranopia

44.9002, 43.8643, 21.7230



Tritanopia

55.3454, 43.9787, 39.2899

Trichromacy



Original Color

51.6588, 43.9151, 22.2767

Protanomaly

44.2792, 43.4827, 24.4716

Deuteranomaly

47.0532, 43.6131, 21.8578

Tritanomaly

53.9953, 43.9133, 32.4183

Monochromacy



Original Color

51.6588, 43.9151, 22.2767

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

44.1918, 43.1600, 37.0119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6588, 43.9151, 22.2767 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(242, 156, 116)` looks like.

```
.text, #text, p{  
    color:rgb(242, 156, 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(242, 156, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 156, 116) }
```

Border

The CSS property to change the border of an element to XYZ 51.6588, 43.9151, 22.2767 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(242, 156, 116) }
```


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

```
.border{ border-color:rgb(242, 156, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 156, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 156, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 156, 116);  
box-shadow:4px 4px 4px 4px rgb(242, 156,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6588, 43.9151, 22.2767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 156, 116) }
```

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

```
.background{ background-color: rgb(242,  
156, 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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