

Converting Colors

XYZ(50.3673, 42.0624, 22.1519)

Have a look what the booklet for
XYZ(50.3673, 42.0624, 22.1519)
contains.

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Color

**XYZ(50.2127, 41.9428,
22.2789)**

Conversions

Conversions Part 1

Format	Color
Hex	F09775
RGB	240, 151, 117
RGB Percent	94%, 59%, 46%
CMY	0.0588, 0.4078, 0.5412
CMYK	0.00, 0.37, 0.51, 0.06
HSL	17°, 80%, 70%
HSV	17°, 51%, 94%
XYZ	50.2127, 41.9428, 22.2789
YIQ	173.7350, 63.9580, 8.2940

Conversions

Conversions Part 2

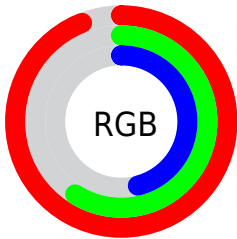
Format	Color
R _Y B	240, 164, 117
Decimal	15767413
CIE Lab	70.83, 29.93, 31.86
CIE LCh	71, 43.707, 46.790
Yxy	41.9428, 0.4388, 0.3665
Android (android.graphics.Color)	4293957493 (0xFFFF09775)
YUV	173.7350, -27.9704, 58.1144
Hunter-Lab	64.7633, 25.0601, 24.9382

Details

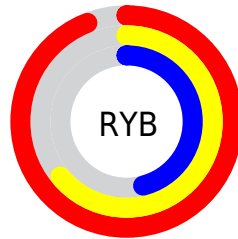
The XYZ color **50.2127, 41.9428, 22.2789** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.1345, 54.2134, 90.5233**, and the grayscale version is **40.2131, 42.3073, 46.0726**.

A 20% lighter version of the original color is **70.4727, 68.2672, 46.9987**, and **24.3276, 19.0443, 7.8626** is the 20% darker color. If you saturate the color by 10%, you get **46.3866, 36.2669, 14.9116**, and if you desaturate by 10%, it is **54.8142, 48.5909, 31.6898**.

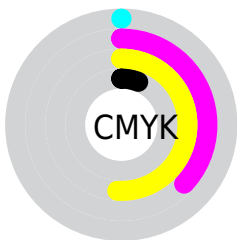
Distribution



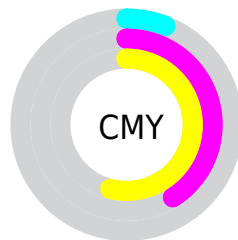
- Red (94%)
- Green (59%)
- Blue (46%)



- Red (94%)
- Yellow (64%)
- Blue (46%)



- Cyan (0%)
- Magenta (37%)
- Yellow (51%)
- Black (6%)




- Cyan (6%)
- Magenta (41%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2127, 41.9428, 22.2789 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 50.2127, 41.9428, 22.2789 by changing the saturation by 10% instead.


 50.2127, 41.9428,
22.2789


 50.2127, 41.9428,
22.2789


377.9354,
354.2458, 277.0002

 35.8009, 29.0565,
13.8617


 89.6799, 78.1130,
48.1146

 24.4499, 19.1236,
7.8869


 115.4660,
102.1658, 66.3702

 15.7942, 11.7596,
3.9359


 145.7743,
130.7095, 88.7424

 9.4686, 6.5802,
1.5903

180.9700,
164.1285, 115.6496

 5.1076, 3.2010,
0.2839

221.4187,
202.8072, 147.5104

 2.3459, 1.2375,
0.0000

267.4856,

 0.8180, 0.0920,

247.1301, 184.7435

0.0000

319.5360,
297.4815, 227.7672

■ 0.0000, 0.0000,
0.0000

■ 50.2127, 41.9428,
22.2789

■ 50.2127, 41.9428,
22.2789

■ 46.3866, 36.2669,
14.9116

■ 54.8142, 48.5909,
31.6898

■ 43.2867, 31.5096,
9.4310

■ 60.2301, 56.2486,
43.2806

■ 40.8623, 27.6217,
5.6606


■ 66.5003, 64.9589,
57.1783

■ 39.0538, 24.5459,
3.3890

■ 73.6611, 74.7605,
73.4996

■ 37.9040, 22.4629,
2.3380

■ 81.7465, 85.6900,
92.3531

 89.7451, 97.2652,
108.6517

Harmonies

Analogous

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



54.7869, 41.9428, 35.0613



50.2127, 41.9428, 22.2789



43.1429, 41.9428, 16.7475

Triad

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



50.2127, 41.9428, 22.2789



27.7558, 41.9428, 37.1244



44.0374, 41.9428, 95.6624

Complementary

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



50.2127, 41.9428, 22.2789



45.1345, 54.2134, 90.5233

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.



36.7582, 41.9428, 96.7252



50.2127, 41.9428, 22.2789



27.9336, 41.9428, 58.2247

Square

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



50.2127, 41.9428, 22.2789



30.5278, 41.9428, 23.3920



31.0472, 41.9428, 81.4651



50.9358, 41.9428, 78.8934

Rectangle

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



50.2127, 41.9428, 22.2789



38.2368, 41.9428, 16.3521



31.0472, 41.9428, 81.4651



41.5396, 41.9428, 98.0137

Sweetspot

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



50.2137, 41.9449, 22.2797



81.2899, 81.3728, 76.8974



53.5836, 35.7629, 63.2387



17.0268, 16.9072, 15.6097



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.



50.2137, 41.9449, 22.2797



53.2545, 41.6510, 17.1501



62.5150, 66.5474, 26.3801



16.1285, 16.4701, 16.4787



20.8448, 12.4877, 1.3117



1.8146, 1.1999, 0.1360

Inverse Universe

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



45.1345, 54.2134, 90.5233



46.7873, 56.9828, 103.1406



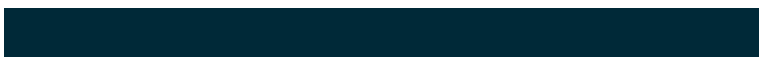
33.2973, 30.5390, 86.5776



15.8564, 17.1470, 20.1956



16.9756, 20.1754, 48.1274



1.4951, 1.8442, 4.0314

Previews

White Background



This preview shows how the XYZ color 50.2127, 41.9428, 22.2789 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 50.2127, 41.9428, 22.2789 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 50.2127, 41.9428, 22.2789

Background



This preview shows how black text looks on a background with the XYZ color 50.2127, 41.9428, 22.2789.



This preview shows how white text looks on a background with the XYZ color 50.2127, 41.9428,

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

50.2127, 41.9428, 22.2789

Protanopia

39.3955, 42.3433, 25.8354

Deuteranopia

42.9680, 42.0427, 21.7700



Tritanopia

53.2418, 42.0128, 36.7556

Trichromacy



Original Color

50.2127, 41.9428, 22.2789

Protanomaly

42.6650, 41.8243, 24.5631

Deuteranomaly

45.3546, 41.9432, 21.9251

Tritanomaly

52.0903, 42.0100, 30.9545

Monochromacy



Original Color

50.2127, 41.9428, 22.2789

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.6747, 41.5781, 35.9132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2127, 41.9428, 22.2789 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, 151, 117)` looks like.

```
.text, #text, p{  
    color:rgb(240, 151, 117)  
}
```

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, 151, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 151, 117) }
```

Border

The CSS property to change the border of an element to XYZ 50.2127, 41.9428, 22.2789 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, 151, 117) }
```


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

```
.border{ border-color:rgb(240, 151, 117) }
```

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

Here you see how a box with a 4 pixel rgb(240, 151, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 151, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 151, 117);  
box-shadow:4px 4px 4px 4px rgb(240, 151,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2127, 41.9428, 22.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 151, 117) }
```

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

```
.background{ background-color: rgb(240,  
151, 117) }
```

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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