

Converting Colors

XYZ(12.1188, 17.7954, 9.8877)

Have a look what the booklet for
XYZ(12.1188, 17.7954, 9.8877)
contains.

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Color

**XYZ(12.0915, 17.7322,
9.8065)**

Conversions

Conversions Part 1

Format	Color
Hex	4B814D
RGB	75, 129, 77
RGB Percent	29%, 51%, 30%
CMY	0.7059, 0.4941, 0.6980
CMYK	0.42, 0.00, 0.40, 0.49
HSL	122°, 26%, 40%
HSV	122°, 42%, 51%
XYZ	12.0915, 17.7322, 9.8065
YIQ	106.9260, -15.4920, -27.6200

Conversions

Conversions Part 2

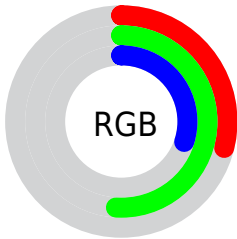
Format	Color
RYB	75, 127, 129
Decimal	4948301
CIELab	49.17, -29.44, 22.71
CIELCh	49, 37.179, 142.346
Yxy	17.7322, 0.3051, 0.4474
Android (android.graphics.Color)	4283138381 (0xFF4B814D)
YUV	106.9260, -14.7535, -27.9991
Hunter-Lab	42.1096, -22.4367, 15.6693

Details

The XYZ color **12.0915, 17.7322, 9.8065** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.4008, 11.2320, 21.4359**, and the grayscale version is **13.9977, 14.7267, 16.0373**.

A 20% lighter version of the original color is **29.3111, 39.5002, 26.1581**, and **3.4200, 5.8851, 2.2520** is the 20% darker color. If you saturate the color by 10%, you get **10.7855, 17.1054, 7.6705**, and if you desaturate by 10%, it is **13.6868, 18.4995, 12.3941**.

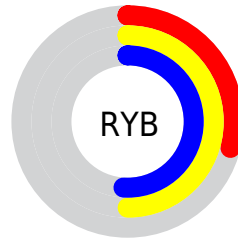
Distribution



Red (29%)

Green (51%)

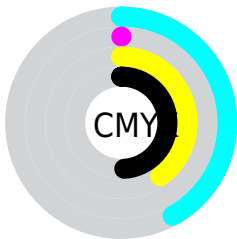
Blue (30%)



Red (29%)

Yellow (50%)

Blue (51%)

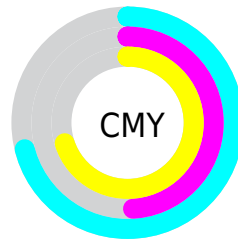


Cyan (42%)

Magenta (0%)

Yellow (40%)

Black (49%)



Cyan (71%)

Magenta (49%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0915, 17.7322, 9.8065 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 12.0915, 17.7322, 9.8065 by changing the saturation by 10% instead.

■ 12.0915, 17.7322,
9.8065

■ 12.0915, 17.7322,
9.8065

198.7677,
239.3572, 199.7198

■ 6.8787, 10.7579,
5.1669

■ 29.2771, 39.5805,
26.0330

■ 3.4320, 5.9043,
2.2851

■ 41.9805, 55.2232,
38.4570

■ 1.3861, 2.7870,
0.7228

■ 57.9115, 74.5242,
54.3129

■ 0.2463, 1.0215,
0.0000

■ 77.4354, 97.8679,
74.0193

■ 0.0000, 0.0000,
0.0000

■ 100.9177,
125.6387, 97.9946

128.7236,

158.2209, 126.6574

161.2184,
195.9989, 160.4263

■ 12.0915, 17.7322,
9.8065

■ 12.0915, 17.7322,
9.8065

■ 10.7855, 17.1054,
7.6705

■ 13.6868, 18.4995,
12.3941

■ 9.7503, 16.6085,
5.9592

■ 15.5859, 19.4127,
15.4560

■ 8.9672, 16.2331,
4.6445


■ 17.8039, 20.4797,
19.0145


■ 8.4146, 15.9687,
3.6947


■ 20.3545, 21.7070,
23.0904


■ 8.0675, 15.8032,
3.0729


■ 23.2507, 23.1009,
27.7032

 7.8768, 15.7117,
2.7547

 26.5046, 24.6674,
32.8713

 30.1279, 26.4119,
38.6125

 34.1317, 28.3400,
44.9436

 38.5265, 30.4566,
51.8806

Harmonies

Analogous

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



14.4355, 17.7322, 6.4526



12.0915, 17.7322, 9.8065



11.0535, 17.7322, 16.8656

Triad

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



12.0915, 17.7322, 9.8065



15.9783, 17.7322, 45.2122



23.8320, 17.7322, 12.8988

Complementary

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



12.0915, 17.7322, 9.8065



15.4008, 11.2320, 21.4359

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.



24.3944, 17.7322, 21.9740



12.0915, 17.7322, 9.8065



19.5285, 17.7322, 43.0119

Square

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



12.0915, 17.7322, 9.8065



13.0875, 17.7322, 38.8032



22.7267, 17.7322, 33.5413



21.2815, 17.7322, 7.7616

Rectangle

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



12.0915, 17.7322, 9.8065



11.1254, 17.7322, 23.7021



22.7267, 17.7322, 33.5413



24.2729, 17.7322, 15.4925

Sweetspot

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



12.0919, 17.7329, 9.8069



31.2718, 36.3797, 33.0728



17.9032, 20.7368, 9.7158



6.9008, 8.1490, 7.2016



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.0919, 17.7329, 9.8069



19.4589, 30.7004, 13.9742



13.2410, 18.1926, 15.8577



4.2820, 4.8211, 4.6562



7.6800, 15.3186, 2.6876



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.4008, 11.2320, 21.4359



26.2026, 17.4451, 37.6711



13.8799, 10.6237, 13.4269



4.4915, 4.4098, 5.3927



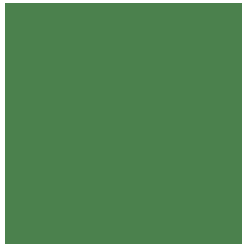
12.3883, 5.9750, 19.1665



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.0915, 17.7322, 9.8065 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 12.0915, 17.7322, 9.8065 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 × Fail

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

XYZ 12.0915, 17.7322, 9.8065

Background



This preview shows how black text looks on a background with the XYZ color 12.0915, 17.7322, 9.8065.



This preview shows how white text looks on a background with the XYZ color 12.0915, 17.7322,

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

12.0915, 17.7322, 9.8065

Protanopia

16.1675, 17.4707, 8.6510

Deuteranopia

17.8171, 17.4519, 10.2141



Tritanopia

14.9621, 17.5634, 24.4313

Trichromacy



Original Color

12.0915, 17.7322, 9.8065

Protanomaly

14.2577, 17.3573, 9.0774

Deuteranomaly

15.1289, 17.2491, 10.1214

Tritanomaly

13.7379, 17.6309, 18.0083

Monochromacy



Original Color

12.0915, 17.7322, 9.8065

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.9614, 15.5389, 13.3825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0915, 17.7322, 9.8065 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(75, 129, 77)` looks like.

```
.text, #text, p{  
    color:rgb(75, 129, 77)  
}
```

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(75, 129, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 129, 77) }
```

Border

The CSS property to change the border of an element to XYZ 12.0915, 17.7322, 9.8065 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(75, 129, 77) }
```


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

```
.border{ border-color:rgb(75, 129, 77) }
```

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

Here you see how a box with a 4 pixel rgb(75, 129, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 129, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 129, 77);  
box-shadow:4px 4px 4px 4px rgb(75, 129,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0915, 17.7322, 9.8065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 129, 77) }
```

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

```
.background{ background-color: rgb(75, 129,  
77) }
```

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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