

Converting Colors

XYZ(12.1970, 18.0690, 9.9990)

Have a look what the booklet for
XYZ(12.1970, 18.0690, 9.9990)
contains.

XYZ(12.1818, 17.9712, 10.0345)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.1818, 17.9712,
10.0345)**

Conversions

Conversions Part 1

Format	Color
Hex	4A824E
RGB	74, 130, 78
RGB Percent	29%, 51%, 31%
CMY	0.7098, 0.4902, 0.6941
CMYK	0.43, 0.00, 0.40, 0.49
HSL	124°, 27%, 40%
HSV	124°, 43%, 51%
XYZ	12.1818, 17.9712, 10.0345
YIQ	107.3280, -16.6840, -28.0440

Conversions

Conversions Part 2

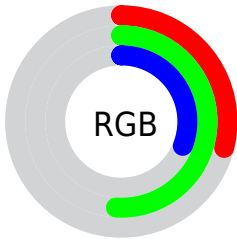
Format	Color
R_{YB}	74, 126, 130
Decimal	4883022
CIE _{Lab}	49.46, -30.07, 22.53
CIE _{LCh}	49, 37.569, 143.161
Yxy	17.9712, 0.3031, 0.4472
Android (android.graphics.Color)	4283073102 (0xFF4A824E)
YUV	107.3280, -14.4587, -29.2287
Hunter-Lab	42.3925, -22.8934, 15.6405

Details

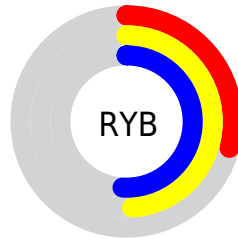
The XYZ color **12.1818, 17.9712, 10.0345** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.4211, 11.1500, 21.0784**, and the grayscale version is **14.1089, 14.8436, 16.1647**.

A 20% lighter version of the original color is **29.4340, 39.8611, 26.5647**, and **3.4602, 6.0122, 2.3446** is the 20% darker color. If you saturate the color by 10%, you get **10.8888, 17.3506, 7.9186**, and if you desaturate by 10%, it is **13.7621, 18.7317, 12.5794**.

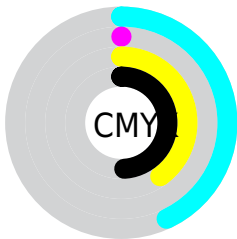
Distribution



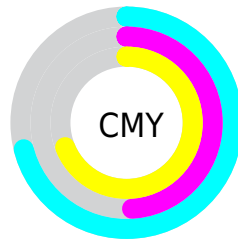
- Red (29%)
- Green (51%)
- Blue (31%)



- Red (29%)
- Yellow (49%)
- Blue (51%)



- Cyan (43%)
- Magenta (0%)
- Yellow (40%)
- Black (49%)



- Cyan (71%)
- Magenta (49%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1818, 17.9712, 10.0345 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 12.1818, 17.9712, 10.0345 by changing the saturation by 10% instead.

■ 12.1818, 17.9712,
10.0345

■ 12.1818, 17.9712,
10.0345

199.3506,
240.7087, 201.4119

■ 6.9407, 10.9293,
5.3159

■ 29.4398, 39.9882,
26.4692

■ 3.4710, 6.0193,
2.3718

■ 42.1874, 55.7322,
39.0224

■ 1.4075, 2.8568,
0.7710

■ 58.1678, 75.1456,
55.0243

■ 0.2615, 1.0575,
0.0000

■ 77.7465, 98.6129,
74.8933

■ 0.0000, 0.0000,
0.0000

■ 101.2888,
126.5185, 99.0480

129.1600,

159.2467, 127.9070

161.7255,
197.1819, 161.8888

■ 12.1818, 17.9712,
10.0345

■ 12.1818, 17.9712,
10.0345

■ 10.8888, 17.3506,
7.9186

■ 13.7621, 18.7317,
12.5794

■ 9.8645, 16.8594,
6.2070

■ 15.6440, 19.6376,
15.5738

■ 9.0902, 16.4890,
4.8742


■ 17.8427, 20.6966,
19.0385


■ 8.5446, 16.2289,
3.8915


■ 20.3718, 21.9155,
22.9923


■ 8.2020, 16.0666,
3.2260


■ 23.2442, 23.3005,
27.4534

 8.0339, 15.9864,
2.9290

 26.4719, 24.8575,
32.4387

 30.0667, 26.5921,
37.9645

 34.0396, 28.5096,
44.0465

 38.4011, 30.6153,
50.6994

Harmonies

Analogous

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



14.5356, 17.9712, 6.5395



12.1818, 17.9712, 10.0345



11.1629, 17.9712, 17.3317

Triad

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



12.1818, 17.9712, 10.0345



16.2814, 17.9712, 46.0871



24.1533, 17.9712, 12.8444

Complementary

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



12.1818, 17.9712, 10.0345



15.4211, 11.1500, 21.0784

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.



24.7904, 17.9712, 21.9879



12.1818, 17.9712, 10.0345



19.9076, 17.9712, 43.5919

Square

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



12.1818, 17.9712, 10.0345



13.3082, 17.9712, 39.7420



23.1441, 17.9712, 33.7770



21.5071, 17.9712, 7.7253

Rectangle

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



12.1818, 17.9712, 10.0345



11.2615, 17.9712, 24.3623



23.1441, 17.9712, 33.7770



24.6233, 17.9712, 15.4472

Sweetspot

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



12.1823, 17.9720, 10.0349



31.3312, 36.4034, 33.3857



17.8630, 20.9166, 9.5744



6.9158, 8.1550, 7.2804



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.



12.1823, 17.9720, 10.0349



19.1548, 30.5447, 13.9110



13.3948, 18.4570, 16.4201



4.2875, 4.8233, 4.6854



7.7040, 15.3282, 2.8142



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.4211, 11.1500, 21.0784



25.6645, 16.8209, 36.0982



13.8724, 10.5305, 12.9231



4.4853, 4.4073, 5.3602



12.1203, 5.8678, 17.7549



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1818, 17.9712, 10.0345 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 12.1818, 17.9712, 10.0345 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 12.1818, 17.9712, 10.0345

Background



This preview shows how black text looks on a background with the XYZ color 12.1818, 17.9712, 10.0345.



This preview shows how white text looks on a background with the XYZ color 12.1818, 17.9712,

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

12.1818, 17.9712, 10.0345

Protanopia

16.4660, 17.7928, 8.8698

Deuteranopia

17.9646, 17.6865, 10.4496



Tritanopia

15.0629, 17.7907, 24.8303

Trichromacy



Original Color

12.1818, 17.9712, 10.0345

Protanomaly

14.4139, 17.6152, 9.2970

Deuteranomaly

15.1523, 17.4326, 10.3508

Tritanomaly

13.8348, 17.8633, 18.3416

Monochromacy



Original Color

12.1818, 17.9712, 10.0345

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 12.1818, 17.9712, 10.0345 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(74, 130, 78)` looks like.

```
.text, #text, p{  
    color:rgb(74, 130, 78)  
}
```

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(74, 130, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 130, 78) }
```

Border

The CSS property to change the border of an element to XYZ 12.1818, 17.9712, 10.0345 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(74, 130, 78) }
```


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

```
.border{ border-color:rgb(74, 130, 78) }
```

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

Here you see how a box with a 4 pixel rgb(74, 130, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 130, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 130, 78);  
box-shadow:4px 4px 4px 4px rgb(74, 130,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1818, 17.9712, 10.0345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 130, 78) }
```

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

```
.background{ background-color: rgb(74, 130,  
78) }
```

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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