

Converting Colors

XYZ(18.3910, 29.0189, 17.4612)

Have a look what the booklet for
XYZ(18.3910, 29.0189, 17.4612)
contains.

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Color

**XYZ(18.3222, 28.8698,
17.4387)**

Conversions

Conversions Part 1

Format	Color
Hex	47A467
RGB	71, 164, 103
RGB Percent	28%, 64%, 40%
CMY	0.7216, 0.3569, 0.5961
CMYK	0.57, 0.00, 0.37, 0.36
HSL	141°, 40%, 46%
HSV	141°, 57%, 64%
XYZ	18.3222, 28.8698, 17.4387
YIQ	129.2390, -35.8470, -38.6870

Conversions

Conversions Part 2

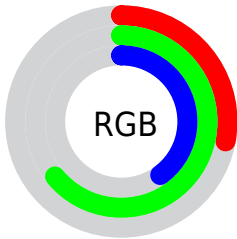
Format	Color
RYB	71, 140, 164
Decimal	4695143
CIELab	60.67, -41.62, 23.57
CIELCh	61, 47.835, 150.478
Yxy	28.8698, 0.2835, 0.4467
Android (android.graphics.Color)	4282885223 (0xFF47A467)
YUV	129.2390, -12.9358, -51.0756
Hunter-Lab	53.7306, -33.1599, 18.3684

Details

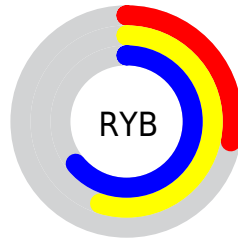
The XYZ color **18.3222, 28.8698, 17.4387** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **21.7289, 14.0656, 23.4006**, and the grayscale version is **21.0037, 22.0975, 24.0642**.

A 20% lighter version of the original color is **40.2620, 58.0650, 40.0960**, and **6.3740, 11.6447, 5.5261** is the 20% darker color. If you saturate the color by 10%, you get **16.7723, 28.1300, 14.7270**, and if you desaturate by 10%, it is **20.2677, 29.8071, 20.5329**.

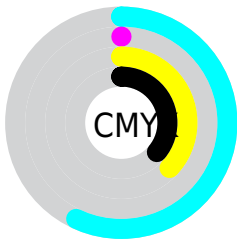
Distribution



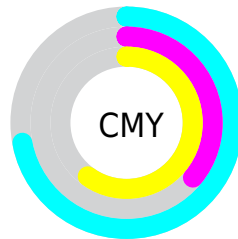
- Red (28%)
- Green (64%)
- Blue (40%)



- Red (28%)
- Yellow (55%)
- Blue (64%)



- Cyan (57%)
- Magenta (0%)
- Yellow (37%)
- Black (36%)



- Cyan (72%)
- Magenta (36%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3222, 28.8698, 17.4387 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 18.3222, 28.8698, 17.4387 by changing the saturation by 10% instead.

■ 18.3222, 28.8698,
17.4387

■ 18.3222, 28.8698,
17.4387

235.6915,
296.6001, 249.8169

■ 11.2826, 18.9823,
10.3825

■ 40.1114, 57.8702,
39.8795

■ 6.3260, 11.6575,
5.5444

■ 55.5917, 77.7519,
56.1011

■ 3.0868, 6.5109,
2.5058

■ 74.6163, 101.7338,
76.2150

■ 1.1998, 3.1582,
0.8432

■ 97.5506, 130.2003,
100.6397

■ 0.1062, 1.2149,
0.0000

■ 124.7600,
163.5358, 129.7937

■ 0.0000, 0.0738,
0.0000

156.6096,

■ 0.0000, 0.0000,

202.1246, 164.0955

0.0000

193.4650,
246.3513, 203.9637

■ 18.3222, 28.8698,
17.4387

■ 18.3222, 28.8698,
17.4387

■ 16.7723, 28.1300,
14.7270

■ 20.2677, 29.8071,
20.5329

■ 15.5863, 27.5693,
12.3806

■ 22.6329, 30.9516,
24.0218

■ 14.7312, 27.1718,
10.3842

■ 25.4424, 32.3166,
27.9196

■ 14.1585, 26.9128,
8.7196

■ 28.7183, 33.9132,
32.2390

■ 14.0004, 26.8418,
8.2399

■ 32.4812, 35.7517,
36.9924

■ 36.7505, 37.8420,
42.1914

■ 41.5444, 40.1931,
47.8474

■ 46.8803, 42.8138,
53.9713

■ 52.7746, 45.7124,
60.5735

Harmonies

Analogous

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



21.8289, 28.8698, 10.2424



18.3222, 28.8698, 17.4387



17.1659, 28.8698, 31.7200

Triad

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



18.3222, 28.8698, 17.4387



27.5394, 28.8698, 79.3980



39.0437, 28.8698, 17.1077

Complementary

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



18.3222, 28.8698, 17.4387



21.7289, 14.0656, 23.4006

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.



41.1634, 28.8698, 31.1503



18.3222, 28.8698, 17.4387



33.9384, 28.8698, 70.9714

Square

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



18.3222, 28.8698, 17.4387



21.9771, 28.8698, 71.4627



39.1697, 28.8698, 51.4271



33.7403, 28.8698, 10.1081

Rectangle

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



18.3222, 28.8698, 17.4387



17.7223, 28.8698, 44.9488



39.1697, 28.8698, 51.4271



40.1850, 28.8698, 20.9429

Sweetspot

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



18.3229, 28.8710, 17.4394



51.7370, 61.3656, 58.0140



24.0867, 31.9937, 10.8675



11.0545, 13.2907, 12.3503



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.3229, 28.8710, 17.4394



29.8287, 50.7668, 25.5732



21.2599, 30.0458, 32.9050



7.0815, 7.9334, 8.0408



10.7549, 20.5883, 6.4261



0.2475, 0.4412, 0.2485

Inverse Universe

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



21.7289, 14.0656, 23.4006



36.5985, 21.2099, 37.3261



19.2638, 13.0796, 10.4198



7.2603, 7.1606, 8.3570



13.8198, 6.8840, 11.5075



0.3112, 0.1530, 0.3517

Previews

White Background



This preview shows how the XYZ color 18.3222, 28.8698, 17.4387 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3222, 28.8698, 17.4387 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 18.3222, 28.8698, 17.4387

Background



This preview shows how black text looks on a background with the XYZ color 18.3222, 28.8698, 17.4387.



This preview shows how white text looks on a background with the XYZ color 18.3222, 28.8698,

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

18.3222, 28.8698, 17.4387

Protanopia

26.2915, 28.3461, 14.9121

Deuteranopia

28.7875, 28.2273, 18.3991



Tritanopia

23.1697, 28.7654, 41.8672

Trichromacy



Original Color

18.3222, 28.8698, 17.4387

Protanomaly

22.0370, 27.7739, 15.7547

Deuteranomaly

23.2354, 27.3922, 17.9725

Tritanomaly

20.9886, 28.6344, 31.2088

Monochromacy



Original Color

18.3222, 28.8698, 17.4387

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.2475, 23.8902, 21.3661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3222, 28.8698, 17.4387 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(71, 164, 103)` looks like.

```
.text, #text, p{  
    color:rgb(71, 164, 103)  
}
```

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(71, 164, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 164, 103) }
```

Border

The CSS property to change the border of an element to XYZ 18.3222, 28.8698, 17.4387 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(71, 164, 103) }
```


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

```
.border{ border-color:rgb(71, 164, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 164, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 164, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 164, 103);  
box-shadow:4px 4px 4px 4px rgb(71, 164,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3222, 28.8698, 17.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 164, 103) }
```

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

```
.background{ background-color: rgb(71, 164,  
103) }
```

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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