

Converting Colors

XYZ(18.9760, 29.0007, 17.1679)

Have a look what the booklet for
XYZ(18.9760, 29.0007, 17.1679)
contains.

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Color

**XYZ(18.9751, 28.9475,
17.1577)**

Conversions

Conversions Part 1

Format	Color
Hex	52A366
RGB	82, 163, 102
RGB Percent	32%, 64%, 40%
CMY	0.6784, 0.3608, 0.6000
CMYK	0.50, 0.00, 0.37, 0.36
HSL	135°, 33%, 48%
HSV	135°, 50%, 64%
XYZ	18.9751, 28.9475, 17.1577
YIQ	131.8270, -28.6950, -36.1430

Conversions

Conversions Part 2

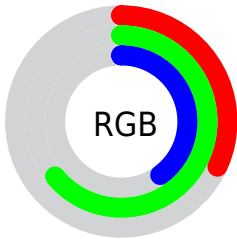
Format	Color
R _Y B	82, 147, 163
Decimal	5415782
CIE Lab	60.74, -38.53, 24.28
CIE LCh	61, 45.540, 147.787
Yxy	28.9475, 0.2916, 0.4448
Android (android.graphics.Color)	4283605862 (0xFF52A366)
YUV	131.8270, -14.7047, -43.6983
Hunter-Lab	53.8029, -31.2020, 18.7545

Details

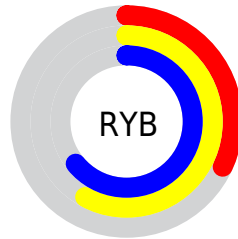
The XYZ color **18.9751, 28.9475, 17.1577** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **23.0803, 15.8048, 27.8216**, and the grayscale version is **21.9290, 23.0711, 25.1244**.

A 20% lighter version of the original color is **41.3176, 58.2304, 39.6338**, and **6.5951, 11.6004, 5.3815** is the 20% darker color. If you saturate the color by 10%, you get **17.1582, 28.0769, 14.1269**, and if you desaturate by 10%, it is **21.2204, 30.0302, 20.6804**.

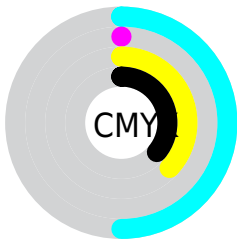
Distribution



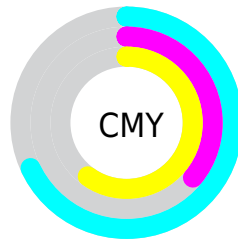
- Red (32%)
- Green (64%)
- Blue (40%)



- Red (32%)
- Yellow (58%)
- Blue (64%)



- Cyan (50%)
- Magenta (0%)
- Yellow (37%)
- Black (36%)



- Cyan (68%)
- Magenta (36%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9751, 28.9475, 17.1577 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 18.9751, 28.9475, 17.1577 by changing the saturation by 10% instead.

■ 18.9751, 28.9475,
17.1577

■ 18.9751, 28.9475,
17.1577

239.2520,
296.9672, 248.1542

■ 11.7562, 19.0411,
10.1838

■ 41.2092, 57.9937,
39.3911

■ 6.6489, 11.7000,
5.4138

■ 56.9551, 77.9022,
55.4877

■ 3.2879, 6.5397,
2.4291

■ 76.2741, 101.9136,
75.4623

■ 1.3078, 3.1760,
0.8022

■ 99.5315, 130.4123,
99.7334

■ 0.1890, 1.2243,
0.0000

■ 127.0926,
163.7826, 128.7196

■ 0.0000, 0.0814,
0.0000

159.3228,

■ 0.0000, 0.0000,

202.4089, 162.8395

0.0000

196.5875,
246.6756, 202.5115

■ 18.9751, 28.9475,
17.1577

■ 18.9751, 28.9475,
17.1577

■ 17.1582, 28.0769,
14.1269

■ 21.2204, 30.0302,
20.6804

■ 15.7393, 27.4007,
11.5642

■ 23.9173, 31.3340,
24.7136

■ 14.6874, 26.9042,
9.4466


■ 27.0902, 32.8720,
29.2774


■ 13.9656, 26.5689,
7.7484


■ 30.7610, 34.6549,
34.3901


■ 13.4977, 26.3562,
6.4395


■ 34.9499, 36.6931,
40.0691

 13.4850, 26.3504,
6.4051

 39.6765, 38.9960,
46.3311

 44.9590, 41.5729,
53.1921

 50.8149, 44.4323,
60.6676

 57.2608, 47.5825,
68.7723

Harmonies

Analogous

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



22.5486, 28.9475, 10.6030



18.9751, 28.9475, 17.1577



17.6484, 28.9475, 30.2786

Triad

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



18.9751, 28.9475, 17.1577



27.0772, 28.9475, 76.5107



38.8422, 28.9475, 18.6504

Complementary

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



18.9751, 28.9475, 17.1577



23.0803, 15.8048, 27.8216

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.



40.5038, 28.9475, 32.7926



18.9751, 28.9475, 17.1577



33.1590, 28.9475, 69.9714

Square

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



18.9751, 28.9475, 17.1577



21.8894, 28.9475, 67.8542



38.2925, 28.9475, 52.2471



34.0274, 28.9475, 11.2227

Rectangle

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



18.9751, 28.9475, 17.1577



18.0491, 28.9475, 42.5433



38.2925, 28.9475, 52.2471



39.8158, 28.9475, 22.5853

Sweetspot

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



18.9758, 28.9487, 17.1584



51.3050, 60.2235, 56.3512



26.1403, 32.7432, 12.9251



11.2331, 13.3852, 12.2507



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.



18.9758, 28.9487, 17.1584



30.3249, 50.0889, 24.5978



21.4152, 29.9244, 30.0039



7.0540, 7.9224, 7.8959



10.4957, 20.4846, 5.0610



0.2380, 0.4374, 0.1985

Inverse Universe

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



23.0803, 15.8048, 27.8216



38.5406, 23.6960, 45.8796



20.6007, 14.8130, 14.7642



7.2892, 7.1721, 8.5095



14.5240, 7.1657, 15.2159



0.3222, 0.1574, 0.4093

Previews

White Background



This preview shows how the XYZ color 18.9751, 28.9475, 17.1577 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 18.9751, 28.9475, 17.1577 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 18.9751, 28.9475, 17.1577

Background



This preview shows how black text looks on a background with the XYZ color 18.9751, 28.9475, 17.1577.



This preview shows how white text looks on a background with the XYZ color 18.9751, 28.9475,

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

18.9751, 28.9475, 17.1577

Protanopia

26.4450, 28.6531, 14.9633

Deuteranopia

29.0452, 28.5884, 17.8972



Tritanopia

23.8262, 28.8665, 41.3618

Trichromacy



Original Color

18.9751, 28.9475, 17.1577

Protanomaly

22.6388, 28.0841, 15.7829

Deuteranomaly

23.7872, 27.6887, 17.4553

Tritanomaly

21.6745, 28.7426, 30.7911

Monochromacy



Original Color

18.9751, 28.9475, 17.1577

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.2131, 24.6028, 21.7726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9751, 28.9475, 17.1577 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(82, 163, 102)` looks like.

```
.text, #text, p{  
    color:rgb(82, 163, 102)  
}
```

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(82, 163, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 163, 102) }
```

Border

The CSS property to change the border of an element to XYZ 18.9751, 28.9475, 17.1577 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(82, 163, 102) }
```


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

```
.border{ border-color:rgb(82, 163, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 163, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 163, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 163, 102);  
box-shadow:4px 4px 4px 4px rgb(82, 163,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9751, 28.9475, 17.1577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 163, 102) }
```

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

```
.background{ background-color: rgb(82, 163,  
102) }
```

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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