

Converting Colors

XYZ(17.8598, 28.5270, 21.8905)

Have a look what the booklet for
XYZ(17.8598, 28.5270, 21.8905)
contains.

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Color

**XYZ(17.8719, 28.5358,
22.0188)**

Conversions

Conversions Part 1

Format	Color
Hex	31A477
RGB	49, 164, 119
RGB Percent	19%, 64%, 47%
CMY	0.8078, 0.3569, 0.5333
CMYK	0.70, 0.00, 0.27, 0.36
HSL	157°, 54%, 42%
HSV	157°, 70%, 64%
XYZ	17.8719, 28.5358, 22.0188
YIQ	124.4850, -54.0950, -38.3750

Conversions

Conversions Part 2

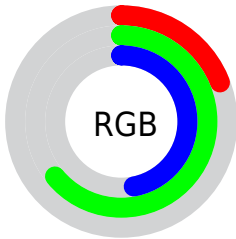
Format	Color
RYB	49, 120, 164
Decimal	3253367
CIELab	60.37, -42.73, 14.28
CIELCh	60, 45.054, 161.522
Yxy	28.5358, 0.2612, 0.4170
Android (android.graphics.Color)	4281443447 (0xFF31A477)
YUV	124.4850, -2.7041, -66.2003
Hunter-Lab	53.4189, -33.7639, 12.9544

Details

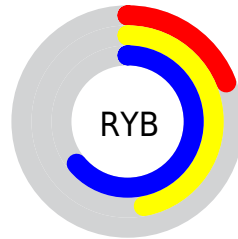
The XYZ color **17.8719, 28.5358, 22.0188** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.4295, 10.8981, 11.7232**, and the grayscale version is **19.3427, 20.3500, 22.1612**.

A 20% lighter version of the original color is **39.3743, 57.4417, 47.5402**, and **6.7899, 11.8111, 7.7163** is the 20% darker color. If you saturate the color by 10%, you get **16.8478, 28.0516, 20.0268**, and if you desaturate by 10%, it is **19.2113, 29.1810, 24.1627**.

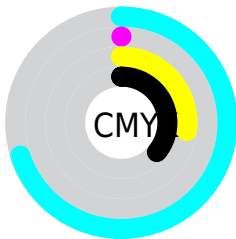
Distribution



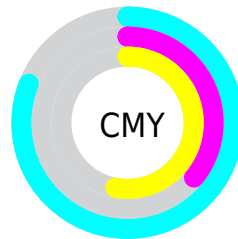
- Red (19%)
- Green (64%)
- Blue (47%)



- Red (19%)
- Yellow (47%)
- Blue (64%)



- Cyan (70%)
- Magenta (0%)
- Yellow (27%)
- Black (36%)



- Cyan (81%)
- Magenta (36%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8719, 28.5358, 22.0188 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 17.8719, 28.5358, 22.0188 by changing the saturation by 10% instead.

■ 17.8719, 28.5358,
22.0188

■ 17.8719, 28.5358,
22.0188

233.2076,
295.0184, 275.6011

■ 10.9572, 18.7299,
13.6723

■ 39.3507, 57.3387,
47.6797

■ 6.1051, 11.4753,
7.7569

■ 54.6455, 77.1046,
65.8311

■ 2.9504, 6.3875,
3.8543

■ 73.4644, 100.9593,
88.0878

■ 1.1276, 3.0821,
1.5457

■ 96.1728, 129.2871,
114.8685

■ 0.0480, 1.1747,
0.2517

■ 123.1359,
162.4726, 146.5916

■ 0.0000, 0.0409,
0.0000

154.7192,

■ 0.0000, 0.0000,

200.9000, 183.6758

0.0000

191.2880,
244.9538, 226.5394

■ 17.8719, 28.5358,
22.0188

■ 17.8719, 28.5358,
22.0188

■ 16.8478, 28.0516,
20.0268

■ 19.2113, 29.1810,
24.1627

■ 16.1033, 27.7079,
18.1804

■ 20.8924, 29.9985,
26.4606

■ 15.5677, 27.4686,
16.4937

■ 22.9411, 31.0024,
28.9166

■ 25.3801, 32.2043,
31.5343

■ 28.2302, 33.6150,
34.3171

■ 31.5108, 35.2443,
37.2683

■ 35.2400, 37.1015,
40.3909

■ 39.4348, 39.1953,
43.6879

■ 44.1112, 41.5341,
47.1624

Harmonies

Analogous

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



20.3895, 28.5358, 12.7866



17.8719, 28.5358, 22.0188



17.6084, 28.5358, 37.8866

Triad

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



17.8719, 28.5358, 22.0188



29.4082, 28.5358, 73.9703



36.3438, 28.5358, 14.3610

Complementary

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



17.8719, 28.5358, 22.0188



18.4295, 10.8981, 11.7232

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.



39.5632, 28.5358, 25.1255



17.8719, 28.5358, 22.0188



35.1949, 28.5358, 61.5892

Square

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



17.8719, 28.5358, 22.0188



23.7437, 28.5358, 72.1989



39.1151, 28.5358, 42.3149



30.8073, 28.5358, 9.5759

Rectangle

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



17.8719, 28.5358, 22.0188



18.6938, 28.5358, 50.9065



39.1151, 28.5358, 42.3149



37.7662, 28.5358, 17.2008

Sweetspot

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



17.8727, 28.5369, 22.0195



50.5382, 60.6664, 61.6281



18.5501, 29.2068, 7.5660



10.7440, 13.1119, 13.1818



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.



17.8727, 28.5369, 22.0195



29.7839, 50.5464, 34.4883



19.2780, 25.9536, 39.1168



7.1581, 7.9641, 8.4444



11.9600, 21.0704, 12.7719



0.2735, 0.4516, 0.3853

Inverse Universe

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



18.4295, 10.8981, 11.7232



30.9033, 16.4993, 14.8348



17.5073, 11.3994, 4.1838



7.1832, 7.1297, 7.9510



12.4743, 6.3458, 4.4224



0.2849, 0.1425, 0.2131

Previews

White Background



This preview shows how the XYZ color 17.8719, 28.5358, 22.0188 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 17.8719, 28.5358, 22.0188 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 17.8719, 28.5358, 22.0188

Background



This preview shows how black text looks on a background with the XYZ color 17.8719, 28.5358, 22.0188.



This preview shows how white text looks on a background with the XYZ color 17.8719, 28.5358,

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

17.8719, 28.5358, 22.0188

Protanopia

26.3053, 28.0409, 18.7778

Deuteranopia

28.6602, 28.0529, 23.3062



Tritanopia

21.9112, 28.3558, 42.3486

Trichromacy



Original Color

17.8719, 28.5358, 22.0188



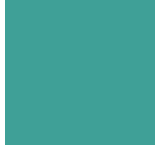
Protanomaly

21.2497, 27.0385, 19.7218



Deuteranomaly

22.3334, 26.8208, 22.7387



Tritanomaly

20.2066, 28.4327, 33.7012

Monochromacy



Original Color

17.8719, 28.5358, 22.0188



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.6752, 22.4118, 21.8067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8719, 28.5358, 22.0188 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(49, 164, 119)` looks like.

```
.text, #text, p{  
    color:rgb(49, 164, 119)  
}
```

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(49, 164, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 164, 119) }
```

Border

The CSS property to change the border of an element to XYZ 17.8719, 28.5358, 22.0188 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(49, 164, 119) }
```


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

```
.border{ border-color:rgb(49, 164, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 164, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 164, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 164, 119);  
box-shadow:4px 4px 4px 4px rgb(49, 164,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8719, 28.5358, 22.0188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 164, 119) }
```

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

```
.background{ background-color: rgb(49, 164,  
119) }
```

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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