

Converting Colors

XYZ(17.9399, 30.3043, 23.1441)

Have a look what the booklet for
XYZ(17.9399, 30.3043, 23.1441)
contains.

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Color

**XYZ(17.8259, 30.1299,
22.9653)**

Conversions

Conversions Part 1

Format	Color
Hex	00AA79
RGB	0, 170, 121
RGB Percent	0%, 67%, 47%
CMY	0.9999, 0.3333, 0.5255
CMYK	1.00, 0.00, 0.29, 0.33
HSL	163°, 100%, 33%
HSV	163°, 100%, 67%
XYZ	17.8259, 30.1299, 22.9653
YIQ	113.5840, -85.5910, -51.2790

Conversions

Conversions Part 2

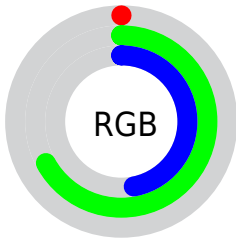
Format	Color
RYB	0, 99, 170
Decimal	43641
CIELab	61.77, -49.00, 15.03
CIELCh	62, 51.249, 162.948
Yxy	30.1299, 0.2513, 0.4248
Android (android.graphics.Color)	4278233721 (0xFF00AA79)
YUV	113.5840, 3.6561, -99.6132
Hunter-Lab	54.8907, -38.0904, 13.6176

Details

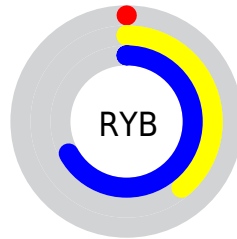
The XYZ color **17.8259, 30.1299, 22.9653** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.1330, 8.7685, 3.6969**, and the grayscale version is **15.8791, 16.7061, 18.1929**.

A 20% lighter version of the original color is **39.1528, 59.6852, 48.9920**, and **7.4151, 12.9587, 8.2413** is the 20% darker color. If you saturate the color by 10%, you get **17.8263, 30.1309, 22.9647**, and if you desaturate by 10%, it is **18.3662, 30.3736, 24.6003**.

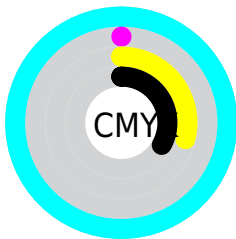
Distribution



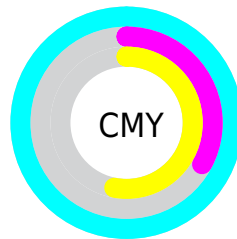
- Red (0%)
- Green (67%)
- Blue (47%)



- Red (0%)
- Yellow (39%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8259, 30.1299, 22.9653 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 17.8259, 30.1299, 22.9653 by changing the saturation by 10% instead.

■ 17.8259, 30.1299,
22.9653

■ 17.8259, 30.1299,
22.9653

■ 232.9525,
302.5095, 280.6629

■ 10.9240, 19.9372,
14.3628

■ 39.2729, 59.8675,
49.2588

■ 6.0827, 12.3494,
8.2318

■ 54.5486, 80.1813,
67.7869

■ 2.9365, 6.9821,
4.1537

■ 73.3464, 104.6375,
90.4607

■ 1.1203, 3.4509,
1.7101

■ 96.0315, 133.6206,
117.6986

■ 0.0420, 1.3714,
0.3676

■ 122.9693,
167.5149, 149.9193

■ 0.0000, 0.1955,
0.0000

■ 154.5252,

■ 0.0000, 0.0000,

206.7049, 187.5412

0.0000

191.0644,
251.5750, 230.9828

■ 17.8259, 30.1299,
22.9653

■ 17.8259, 30.1299,
22.9653

■ 17.8263, 30.1309,
22.9647

■ 18.3662, 30.3736,
24.6003

■ 19.1188, 30.7242,
26.3254

■ 20.1641, 31.2238,
28.1462

■ 21.5385, 31.8913,
30.0654

■ 23.2728, 32.7424,
32.0857

■ 25.3942, 33.7913,
34.2093

■ 27.9273, 35.0504,
36.4384

■ 30.8944, 36.5314,
38.7751

■ 34.3165, 38.2449,
41.2214

Harmonies

Analogous

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



20.5880, 30.1299, 12.2561



17.8259, 30.1299, 22.9653



17.6490, 30.1299, 41.9777

Triad

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



17.8259, 30.1299, 22.9653



31.6827, 30.1299, 84.8208



39.3684, 30.1299, 13.2711

Complementary

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



17.8259, 30.1299, 22.9653



17.1330, 8.7685, 3.6969

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.



43.4410, 30.1299, 25.0787



17.8259, 30.1299, 22.9653



38.5517, 30.1299, 68.7644

Square

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



17.8259, 30.1299, 22.9653



24.9559, 30.1299, 83.5141



43.1204, 30.1299, 45.1203



32.6646, 30.1299, 8.3832

Rectangle

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



17.8259, 30.1299, 22.9653



18.9686, 30.1299, 57.8140



43.1204, 30.1299, 45.1203



41.1349, 30.1299, 16.3051

Sweetspot

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



17.8267, 30.1311, 22.9660



50.3953, 63.4565, 65.8829



15.7411, 29.4546, 4.8561



10.8017, 13.9338, 14.3185



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.8267, 30.1311, 22.9660



32.2443, 54.6281, 41.1471



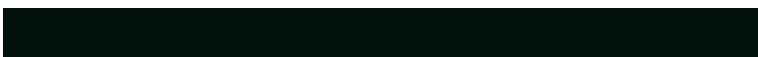
16.0610, 20.5122, 41.1443



7.6540, 8.4946, 9.1640



13.1377, 22.1739, 17.0240



0.3401, 0.5477, 0.5220

Inverse Universe

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



17.1330, 8.7685, 3.6969



31.0023, 15.8755, 6.2734



17.1506, 9.6911, 0.9670



7.6167, 7.5766, 8.2990



12.6240, 6.4583, 2.8317



0.3289, 0.1658, 0.1835

Previews

White Background



This preview shows how the XYZ color 17.8259, 30.1299, 22.9653 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 17.8259, 30.1299, 22.9653 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 ✓ Pass

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

XYZ 17.8259, 30.1299, 22.9653

Background



This preview shows how black text looks on a background with the XYZ color 17.8259, 30.1299, 22.9653.



This preview shows how white text looks on a background with the XYZ color 17.8259, 30.1299,

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

17.8259, 30.1299, 22.9653

Protanopia

27.7572, 29.6984, 19.3083

Deuteranopia

30.2308, 29.7233, 24.2225



Tritanopia

22.6210, 30.1988, 45.7110

Trichromacy



Original Color

17.8259, 30.1299, 22.9653



Protanomaly

20.3498, 27.7814, 20.5095



Deuteranomaly

21.2772, 27.4513, 23.5792



Tritanomaly

20.3645, 30.0478, 36.1790

Monochromacy



Original Color

17.8259, 30.1299, 22.9653



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.4836, 19.7510, 19.8786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8259, 30.1299, 22.9653 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(0, 170, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 121)  
}
```

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(0, 170, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 121) }
```

Border

The CSS property to change the border of an element to XYZ 17.8259, 30.1299, 22.9653 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(0, 170, 121) }
```


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

```
.border{ border-color:rgb(0, 170, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8259, 30.1299, 22.9653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 121) }
```

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

```
.background{ background-color: rgb(0, 170,  
121) }
```

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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