

Converting Colors

XYZ(17.8701, 29.3881, 20.0599)

Have a look what the booklet for
XYZ(17.8701, 29.3881, 20.0599)
contains.

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Color

**XYZ(17.8701, 29.3881,
20.0599)**

Conversions

Conversions Part 1

Format	Color
Hex	2EA770
RGB	46, 167, 112
RGB Percent	18%, 65%, 44%
CMY	0.8196, 0.3451, 0.5608
CMYK	0.72, 0.00, 0.33, 0.35
HSL	153°, 57%, 42%
HSV	153°, 72%, 65%
XYZ	17.8701, 29.3881, 20.0599
YIQ	124.5510, -54.4610, -42.7570

Conversions

Conversions Part 2

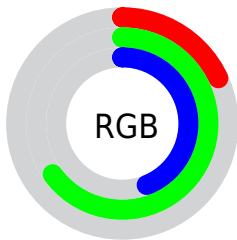
Format	Color
RYB	46, 124, 167
Decimal	3057520
CIELab	61.12, -45.99, 19.17
CIElCh	61, 49.820, 157.373
Yxy	29.3881, 0.2655, 0.4366
Android (android.graphics.Color)	4281247600 (0xFF2EA770)
YUV	124.5510, -6.1876, -68.8892
Hunter-Lab	54.2108, -36.0280, 16.0082

Details

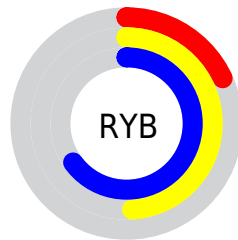
The XYZ color **17.8701, 29.3881, 20.0599** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **19.2633, 11.1098, 13.4425**, and the grayscale version is **19.3762, 20.3853, 22.1996**.

A 20% lighter version of the original color is **39.3952, 58.7069, 44.3772**, and **6.9427, 12.4048, 6.8789** is the 20% darker color. If you saturate the color by 10%, you get **16.8542, 28.9119, 17.8986**, and if you desaturate by 10%, it is **19.2158, 30.0317, 22.4240**.

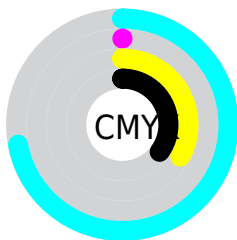
Distribution



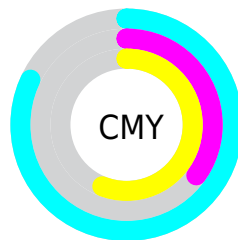
- Red (18%)
- Green (65%)
- Blue (44%)



- Red (18%)
- Yellow (49%)
- Blue (65%)



- Cyan (72%)
- Magenta (0%)
- Yellow (33%)
- Black (35%)



- Cyan (82%)
- Magenta (35%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8701, 29.3881, 20.0599 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 17.8701, 29.3881, 20.0599 by changing the saturation by 10% instead.

■ 17.8701, 29.3881,
20.0599

■ 17.8701, 29.3881,
20.0599

233.1976,
299.0417, 264.8542

■ 10.9559, 19.3746,
12.2541

■ 39.3477, 58.6931,
44.3779

■ 6.1043, 11.9413,
6.7923

■ 54.6417, 78.7535,
61.7271

■ 2.9498, 6.7037,
3.2561

■ 73.4598, 102.9315,
83.0946

■ 1.1273, 3.2775,
1.2268

■ 96.1672, 131.6117,
108.8988

■ 0.0478, 1.2783,
0.0007

■ 123.1294,
165.1785, 139.5583

■ 0.0000, 0.1243,
0.0000

154.7116,

■ 0.0000, 0.0000,

204.0161, 175.4917

0.0000

191.2792,
248.5091, 217.1175

■ 17.8701, 29.3881,
20.0599

■ 17.8701, 29.3881,
20.0599

■ 16.8542, 28.9119,
17.8986

■ 19.2158, 30.0317,
22.4240

■ 16.1287, 28.5807,
15.9317

■ 20.9203, 30.8552,
24.9948

■ 15.7114, 28.3953,
14.5707

■ 23.0116, 31.8739,
27.7784

■ 25.5144, 33.1003,
30.7801

■ 28.4512, 34.5459,
34.0050

■ 31.8428, 36.2215,
37.4580

■ 35.7087, 38.1368,
41.1436

■ 40.0671, 40.3014,
45.0665

■ 44.9353, 42.7239,
49.2311

Harmonies

Analogous

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



20.9818, 29.3881, 11.0816



17.8701, 29.3881, 20.0599



17.2371, 29.3881, 36.8398

Triad

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



17.8701, 29.3881, 20.0599



29.5754, 29.3881, 82.5640



39.1487, 29.3881, 14.7553

Complementary

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



17.8701, 29.3881, 20.0599



19.2633, 11.1098, 13.4425

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.



42.3302, 29.3881, 27.6013



17.8701, 29.3881, 20.0599



36.2702, 29.3881, 69.9370

Square

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



17.8701, 29.3881, 20.0599



23.3741, 29.3881, 78.0022



41.2021, 29.3881, 47.9267



33.0481, 29.3881, 8.9577

Rectangle

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



17.8701, 29.3881, 20.0599



18.1984, 29.3881, 51.5481



41.2021, 29.3881, 47.9267



40.6351, 29.3881, 18.1468

Sweetspot

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



17.8709, 29.3893, 20.0606



50.9833, 61.8826, 60.9313



19.8454, 30.6881, 7.4627



11.0870, 13.6894, 13.2918



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.8709, 29.3893, 20.0606



29.3312, 51.3859, 29.8568



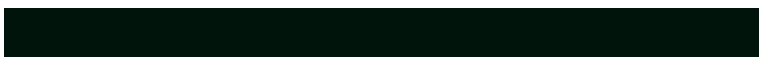
21.1940, 29.5546, 41.1481



7.6015, 8.4736, 8.8874



12.0471, 21.7376, 11.2808



0.3184, 0.5390, 0.4077

Inverse Universe

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



19.2633, 11.1098, 13.4425



31.9918, 16.7649, 17.4381



17.5724, 10.6975, 3.7239



7.6676, 7.5969, 8.5667



13.2147, 6.6946, 5.9420



0.3475, 0.1733, 0.2814

Previews

White Background



This preview shows how the XYZ color 17.8701, 29.3881, 20.0599 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 17.8701, 29.3881, 20.0599 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 17.8701, 29.3881, 20.0599

Background



This preview shows how black text looks on a background with the XYZ color 17.8701, 29.3881, 20.0599.



This preview shows how white text looks on a background with the XYZ color 17.8701, 29.3881,

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

17.8701, 29.3881, 20.0599

Protanopia

26.8276, 28.8061, 16.9781

Deuteranopia

29.3725, 28.9038, 21.1704



Tritanopia

22.5170, 29.1525, 43.4700

Trichromacy



Original Color

17.8701, 29.3881, 20.0599



Protanomaly

21.4932, 27.9337, 17.8946



Deuteranomaly

22.5162, 27.4336, 20.6315



Tritanomaly

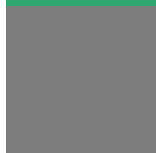
20.4753, 29.0994, 33.3918

Monochromacy



Original Color

17.8701, 29.3881, 20.0599



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.5921, 22.5990, 21.2041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8701, 29.3881, 20.0599 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(46, 167, 112)` looks like.

```
.text, #text, p{  
    color:rgb(46, 167, 112)  
}
```

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(46, 167, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 167, 112) }
```

Border

The CSS property to change the border of an element to XYZ 17.8701, 29.3881, 20.0599 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(46, 167, 112) }
```


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

```
.border{ border-color:rgb(46, 167, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 167, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 167, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 167, 112);  
box-shadow:4px 4px 4px 4px rgb(46, 167,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8701, 29.3881, 20.0599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 167, 112) }
```

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

```
.background{ background-color: rgb(46, 167,  
112) }
```

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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