

Converting Colors

XYZ(17.2684, 28.6773, 19.8444)

Have a look what the booklet for
XYZ(17.2684, 28.6773, 19.8444)
contains.

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Color

**XYZ(17.3602, 28.8544,
19.9837)**

Conversions

Conversions Part 1

Format	Color
Hex	26A670
RGB	38, 166, 112
RGB Percent	15%, 65%, 44%
CMY	0.8510, 0.3490, 0.5608
CMYK	0.77, 0.00, 0.33, 0.35
HSL	155°, 63%, 40%
HSV	155°, 77%, 65%
XYZ	17.3602, 28.8544, 19.9837
YIQ	121.5720, -58.9540, -43.9300

Conversions

Conversions Part 2

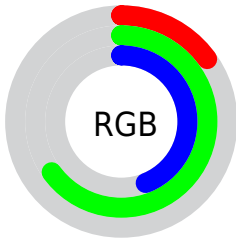
Format	Color
R_{YB}	38, 119, 166
Decimal	2532976
CIE _{Lab}	60.65, -46.71, 18.50
CIE _{LCh}	61, 50.242, 158.392
Yxy	28.8544, 0.2622, 0.4359
Android (android.graphics.Color)	4280723056 (0xFF26A670)
YUV	121.5720, -4.7190, -73.2926
Hunter-Lab	53.7163, -36.3153, 15.5442

Details

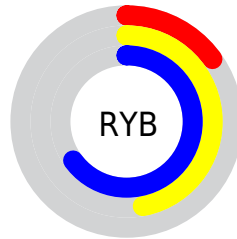
The XYZ color **17.3602, 28.8544, 19.9837** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.3518, 10.2666, 11.1409**, and the grayscale version is **18.3887, 19.3463, 21.0681**.

A 20% lighter version of the original color is **38.5310, 57.8659, 44.2604**, and **6.8305, 12.1804, 6.8415** is the 20% darker color. If you saturate the color by 10%, you get **16.5044, 28.4573, 17.9870**, and if you desaturate by 10%, it is **18.5208, 29.4066, 22.1543**.

Distribution



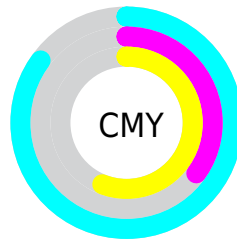
- Red (15%)
- Green (65%)
- Blue (44%)



- Red (15%)
- Yellow (47%)
- Blue (65%)



- Cyan (77%)
- Magenta (0%)
- Yellow (33%)
- Black (35%)



- Cyan (85%)
- Magenta (35%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3602, 28.8544, 19.9837 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 17.3602, 28.8544, 19.9837 by changing the saturation by 10% instead.

■ 17.3602, 28.8544,
19.9837

■ 17.3602, 28.8544,
19.9837

230.3556,
296.5274, 264.4282

■ 10.5885, 18.9707,
12.1992

■ 38.4827, 57.8457,
44.2485

■ 5.8561, 11.6491,
6.7553

■ 53.5643, 77.7220,
61.5658

■ 2.7976, 6.5052,
3.2334

■ 72.1466, 101.6981,
82.8980

■ 1.0477, 3.1547,
1.2150

■ 94.5949, 130.1582,
108.6633

■ 0.0000, 1.2130,
0.0000

■ 121.2746,
163.4868, 139.2805

■ 0.0000, 0.0723,
0.0000

■ 152.5511,

■ 0.0000, 0.0000,

202.0683, 175.1680

0.0000

188.7896,
246.2870, 216.7444

■ 17.3602, 28.8544,
19.9837

■ 17.3602, 28.8544,
19.9837

■ 16.5044, 28.4573,
17.9870

■ 18.5208, 29.4066,
22.1543

■ 15.9012, 28.1863,
16.1564

■ 20.0168, 30.1274,
24.5018

■ 15.7466, 28.1175,
15.6559

■ 21.8773, 31.0325,
27.0315

■ 24.1276, 32.1348,
29.7479

■ 26.7907, 33.4461,
32.6553

■ 29.8875, 34.9771,
35.7577

■ 33.4378, 36.7379,
39.0590

■ 37.4599, 38.7380,
42.5630

■ 41.9711, 40.9861,
46.2735

Harmonies

Analogous

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



20.3659, 28.8544, 10.8706



17.3602, 28.8544, 19.9837



16.8166, 28.8544, 36.9427

Triad

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



17.3602, 28.8544, 19.9837



29.2921, 28.8544, 81.8681



38.4464, 28.8544, 14.0051

Complementary

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



17.3602, 28.8544, 19.9837



18.3518, 10.2666, 11.1409

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.



41.7579, 28.8544, 26.4727



17.3602, 28.8544, 19.9837



35.9522, 28.8544, 68.7003

Square

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



17.3602, 28.8544, 19.9837



23.0712, 28.8544, 77.8927



40.7793, 28.8544, 46.5458



32.2953, 28.8544, 8.4915

Rectangle

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



17.3602, 28.8544, 19.9837



17.8256, 28.8544, 51.7212



40.7793, 28.8544, 46.5458



39.9696, 28.8544, 17.2739

Sweetspot

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



17.3610, 28.8556, 19.9844



50.5949, 61.6739, 61.2939



18.5486, 29.7653, 6.6017



10.9019, 13.5939, 13.2847



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.



17.3610, 28.8556, 19.9844



29.0931, 51.2579, 30.0851



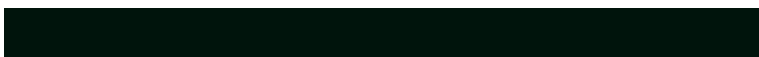
19.8193, 27.4386, 40.3294



7.6117, 8.4777, 8.9413



12.2340, 21.8123, 12.2648



0.3224, 0.5406, 0.4286

Inverse Universe

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



18.3518, 10.2666, 11.1409



31.0250, 15.9843, 13.5615



17.0745, 10.2435, 2.9113



7.6575, 7.5929, 8.5137



13.0751, 6.6388, 5.2071



0.3438, 0.1718, 0.2622

Previews

White Background



This preview shows how the XYZ color 17.3602, 28.8544, 19.9837 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 17.3602, 28.8544, 19.9837 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 17.3602, 28.8544, 19.9837

Background



This preview shows how black text looks on a background with the XYZ color 17.3602, 28.8544, 19.9837.



This preview shows how white text looks on a background with the XYZ color 17.3602, 28.8544,

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

17.3602, 28.8544, 19.9837

Protanopia

26.4782, 28.3982, 16.9178

Deuteranopia

29.0103, 28.4992, 21.1114



Tritanopia

22.0636, 28.9298, 42.9492

Trichromacy



Original Color

17.3602, 28.8544, 19.9837

Protanomaly

20.9322, 27.4005, 17.8212

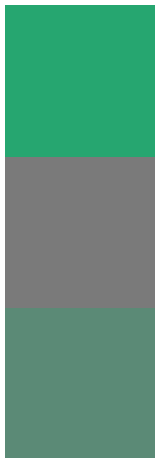
Deuteranomaly

21.7850, 26.8208, 20.5517

Tritanomaly

20.0562, 28.8834, 33.3721

Monochromacy



Original Color

17.3602, 28.8544, 19.9837

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

16.6729, 21.7091, 20.4511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3602, 28.8544, 19.9837 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(38, 166, 112)` looks like.

```
.text, #text, p{  
    color:rgb(38, 166, 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(38, 166, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 166, 112) }
```

Border

The CSS property to change the border of an element to XYZ 17.3602, 28.8544, 19.9837 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(38, 166, 112) }
```


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

```
.border{ border-color:rgb(38, 166, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 166, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 166, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 166, 112);  
box-shadow:4px 4px 4px 4px rgb(38, 166,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3602, 28.8544, 19.9837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 166, 112) }
```

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

```
.background{ background-color: rgb(38, 166,  
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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