

Converting Colors

XYZ(17.8451, 29.6143, 23.9151)

Have a look what the booklet for
XYZ(17.8451, 29.6143, 23.9151)
contains.

XYZ(17.7923, 29.5387, 23.8326)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.7923, 29.5387,
23.8326)**

Conversions

Conversions Part 1

Format	Color
Hex	0CA87C
RGB	12, 168, 124
RGB Percent	5%, 66%, 49%
CMY	0.9529, 0.3412, 0.5137
CMYK	0.93, 0.00, 0.26, 0.34
HSL	163°, 87%, 35%
HSV	163°, 93%, 66%
XYZ	17.7923, 29.5387, 23.8326
YIQ	116.3400, -78.8520, -46.7560

Conversions

Conversions Part 2

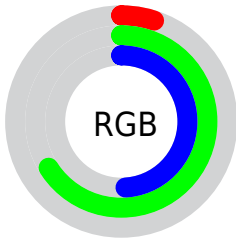
Format	Color
R_{YB}	12, 103, 168
Decimal	829564
CIE _{Lab}	61.25, -46.97, 12.67
CIE _{LCh}	61, 48.646, 164.909
Yxy	29.5387, 0.2500, 0.4151
Android (android.graphics.Color)	4279019644 (0xFF0CA87C)
YUV	116.3400, 3.7764, -91.5062
Hunter-Lab	54.3495, -36.6764, 12.0456

Details

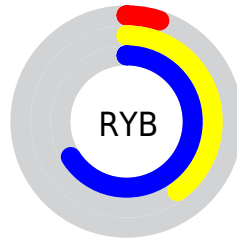
The XYZ color **17.7923, 29.5387, 23.8326** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.9947, 8.8739, 4.5596**, and the grayscale version is **16.7120, 17.5824, 19.1472**.

A 20% lighter version of the original color is **39.2076, 58.8653, 50.8907**, and **7.4007, 12.7695, 8.7313** is the 20% darker color. If you saturate the color by 10%, you get **17.4308, 29.3774, 22.7172**, and if you desaturate by 10%, it is **18.4497, 29.8429, 25.4664**.

Distribution



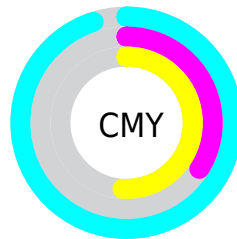
- Red (5%)
- Green (66%)
- Blue (49%)



- Red (5%)
- Yellow (40%)
- Blue (66%)



- Cyan (93%)
- Magenta (0%)
- Yellow (26%)
- Black (34%)



- Cyan (95%)
- Magenta (34%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7923, 29.5387, 23.8326 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 17.7923, 29.5387, 23.8326 by changing the saturation by 10% instead.

■ 17.7923, 29.5387,
23.8326

■ 17.7923, 29.5387,
23.8326

232.7660,
299.7483, 285.2323

■ 10.8998, 19.4887,
14.9984

■ 39.2160, 58.9319,
50.6973

■ 6.0663, 12.0239,
8.6717

■ 54.4778, 79.0439,
69.5649

■ 2.9265, 6.7600,
4.4338

■ 73.2601, 103.2787,
92.6141

■ 1.1150, 3.3125,
1.8662

■ 95.9282, 132.0206,
120.2634

■ 0.0376, 1.2970,
0.4711

■ 122.8475,
165.6542, 152.9313

■ 0.0000, 0.1388,
0.0000

■ 154.3833,

■ 0.0000, 0.0000,

204.5637, 191.0364

0.0000

190.9010,
249.1336, 234.9972

■ 17.7923, 29.5387,
23.8326

■ 17.7923, 29.5387,
23.8326

■ 17.4308, 29.3774,
22.7172

■ 18.4497, 29.8429,
25.4664

■ 19.3792, 30.2849,
27.1885

■ 20.6188, 30.8851,
29.0023

■ 22.1997, 31.6595,
30.9103

■ 24.1492, 32.6221,
32.9148

■ 26.4919, 33.7857,
35.0177

■ 29.2499, 35.1616,
37.2212

■ 32.4440, 36.7605,
39.5270

■ 36.0933, 38.5922,
41.9370

Harmonies

Analogous

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



20.2539, 29.5387, 13.1039



17.7923, 29.5387, 23.8326



17.7848, 29.5387, 42.1078

Triad

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



17.7923, 29.5387, 23.8326



31.3619, 29.5387, 79.6481



37.7229, 29.5387, 13.1475

Complementary

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



17.7923, 29.5387, 23.8326



16.9947, 8.8739, 4.5596

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.



41.7236, 29.5387, 23.9213



17.7923, 29.5387, 23.8326



37.6892, 29.5387, 64.1325

Square

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



17.7923, 29.5387, 23.8326



24.9924, 29.5387, 79.5950



41.7104, 29.5387, 42.2375



31.4026, 29.5387, 8.7260

Rectangle

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



17.7923, 29.5387, 23.8326



19.1457, 29.5387, 56.8379



41.7104, 29.5387, 42.2375



39.4234, 29.5387, 15.9173

Sweetspot

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



17.7931, 29.5399, 23.8333



50.1482, 62.3416, 65.2547



15.7120, 28.8796, 5.0943



10.4969, 13.3718, 13.8658



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.



17.7931, 29.5399, 23.8333



31.5335, 53.2692, 40.7167



15.7732, 20.0121, 40.0786



7.6560, 8.4954, 9.1744



13.1852, 22.1929, 17.2741



0.3410, 0.5480, 0.5266

Inverse Universe

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



16.9947, 8.8739, 4.5596



30.1694, 15.4529, 5.9296



17.1849, 10.2906, 1.4286



7.6149, 7.5758, 8.2891



12.6075, 6.4517, 2.7449



0.3282, 0.1656, 0.1799

Previews

White Background



This preview shows how the XYZ color 17.7923, 29.5387, 23.8326 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 17.7923, 29.5387, 23.8326 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 17.7923, 29.5387, 23.8326

Background



This preview shows how black text looks on a background with the XYZ color 17.7923, 29.5387, 23.8326.



This preview shows how white text looks on a background with the XYZ color 17.7923, 29.5387,

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

17.7923, 29.5387, 23.8326

Protanopia

27.3756, 29.2504, 20.1226

Deuteranopia

29.4905, 28.8769, 25.1386



Tritanopia

22.0583, 29.3971, 45.0691

Trichromacy



Original Color

17.7923, 29.5387, 23.8326



Protanomaly

20.7003, 27.6938, 21.3939



Deuteranomaly

21.5184, 27.0712, 24.5132



Tritanomaly

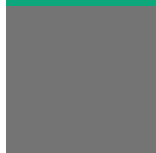
20.1129, 29.3826, 36.0638

Monochromacy



Original Color

17.7923, 29.5387, 23.8326



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

15.1356, 20.2796, 20.5694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7923, 29.5387, 23.8326 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(12, 168, 124)` looks like.

```
.text, #text, p{  
    color:rgb(12, 168, 124)  
}
```

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(12, 168, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 168, 124) }
```

Border

The CSS property to change the border of an element to XYZ 17.7923, 29.5387, 23.8326 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(12, 168, 124) }
```


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

```
.border{ border-color:rgb(12, 168, 124) }
```

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

Here you see how a box with a 4 pixel rgb(12, 168, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 168, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 168, 124);  
box-shadow:4px 4px 4px 4px rgb(12, 168,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7923, 29.5387, 23.8326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 168, 124) }
```

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

```
.background{ background-color: rgb(12, 168,  
124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor