

Converting Colors

XYZ(19.1068, 27.7977, 36.7616)

Have a look what the booklet for
XYZ(19.1068, 27.7977, 36.7616)
contains.

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Color

**XYZ(19.0957, 27.7924,
36.7058)**

Conversions

Conversions Part 1

Format	Color
Hex	17A09E
RGB	23, 160, 158
RGB Percent	9%, 63%, 62%
CMY	0.9098, 0.3725, 0.3804
CMYK	0.86, 0.00, 0.01, 0.37
HSL	179°, 75%, 36%
HSV	179°, 86%, 63%
XYZ	19.0957, 27.7924, 36.7058
YIQ	118.8090, -81.0100, -29.6660

Conversions

Conversions Part 2

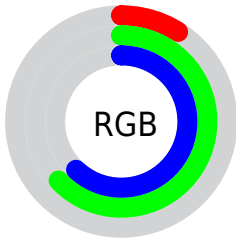
Format	Color
R _Y B	23, 92, 160
Decimal	1548446
CIE Lab	59.70, -33.45, -8.68
CIE LCh	60, 34.559, 194.539
Yxy	27.7924, 0.2284, 0.3325
Android (android.graphics.Color)	4279738526 (0xFF17A09E)
YUV	118.8090, 19.3212, -84.0245
Hunter-Lab	52.7185, -27.6011, -4.3783

Details

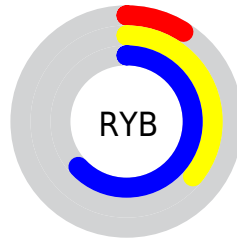
The XYZ color **19.0957, 27.7924, 36.7058** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.9800, 8.1574, 1.7055**, and the grayscale version is **17.4350, 18.3430, 19.9755**.

A 20% lighter version of the original color is **41.3477, 56.0016, 71.5809**, and **8.0164, 11.7867, 15.7625** is the 20% darker color. If you saturate the color by 10%, you get **18.8106, 27.6483, 36.5881**, and if you desaturate by 10%, it is **19.6002, 28.0508, 36.8352**.

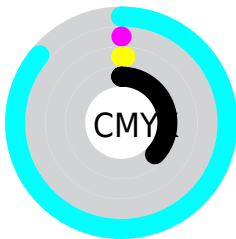
Distribution



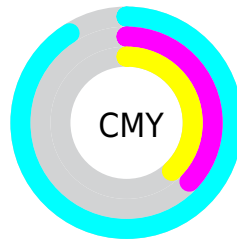
- Red (9%)
- Green (63%)
- Blue (62%)



- Red (9%)
- Yellow (36%)
- Blue (63%)



- Cyan (86%)
- Magenta (0%)
- Yellow (1%)
- Black (37%)



- Cyan (91%)
- Magenta (37%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0957, 27.7924, 36.7058 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 19.0957, 27.7924, 36.7058 by changing the saturation by 10% instead.

■ 19.0957, 27.7924,
36.7058

■ 19.0957, 27.7924,
36.7058

■ 239.9046,
291.4736, 347.1653

■ 11.8439, 18.1692,
24.6858

■ 41.4114, 56.1528,
71.3013

■ 6.7089, 11.0716,
15.6262

■ 57.2059, 75.6589,
94.7139

■ 3.3254, 6.1150,
9.1086

■ 76.5787, 99.2280,
122.7612

■ 1.3281, 2.9151,
4.7143

■ 99.8952, 127.2446,
155.8615

■ 0.2041, 1.0876,
2.0248

■ 127.5207,
160.0931, 194.4336

■ 0.0000, 0.0000,
0.5705

■ 159.8205,

■ 0.0000, 0.0000,

198.1578, 238.8959

0.0000

197.1600,
241.8232, 289.6669

■ 19.0957, 27.7924,
36.7058

■ 19.0957, 27.7924,
36.7058

■ 18.8106, 27.6483,
36.5881

■ 19.6002, 28.0508,
36.8352

■ 18.7140, 27.5996,
36.5377

■ 20.3595, 28.4399,
36.9761

■ 21.4030, 28.9755,
37.1304

■ 22.7555, 29.6704,
37.2995

■ 24.4392, 30.5360,
37.4842

■ 26.4741, 31.5827,
37.6856

■ 28.8788, 32.8200,
37.9045

■ 31.6704, 34.2568,
38.1416

■ 34.8651, 35.9014,
38.3979

Harmonies

Analogous

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



19.1239, 27.7924, 24.2948



19.0957, 27.7924, 36.7058



20.8735, 27.7924, 50.4466

Triad

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



19.0957, 27.7924, 36.7058



32.7511, 27.7924, 50.8320



28.7171, 27.7924, 12.5026

Complementary

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



19.0957, 27.7924, 36.7058



14.9800, 8.1574, 1.7055

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.



32.8614, 27.7924, 16.3384



19.0957, 27.7924, 36.7058



35.3594, 27.7924, 37.1322

Square

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



19.0957, 27.7924, 36.7058



28.5795, 27.7924, 60.0029



35.4019, 27.7924, 24.6189



24.3643, 27.7924, 12.4471

Rectangle

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



19.0957, 27.7924, 36.7058



22.9694, 27.7924, 57.5669



35.4019, 27.7924, 24.6189



30.1909, 27.7924, 13.3328

Sweetspot

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



19.0965, 27.7934, 36.7065



47.7144, 57.1614, 68.3904



13.1343, 25.4148, 5.0246



10.1913, 12.3958, 14.9726



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.0965, 27.7934, 36.7065



33.9711, 50.1084, 66.3028



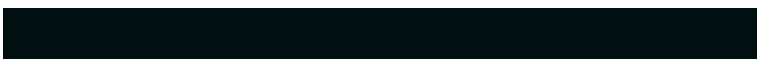
10.6832, 10.6887, 34.7589



6.8177, 7.5078, 8.4745



14.5789, 21.4995, 28.4692



0.2619, 0.3849, 0.5153

Inverse Universe

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



14.9800, 8.1574, 1.7055



26.3395, 13.5766, 1.3200



18.2436, 14.7179, 2.6906



6.6368, 6.6476, 6.9385



11.3045, 5.8264, 0.5887



0.2031, 0.1046, 0.0159

Previews

White Background



This preview shows how the XYZ color 19.0957, 27.7924, 36.7058 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 19.0957, 27.7924, 36.7058 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

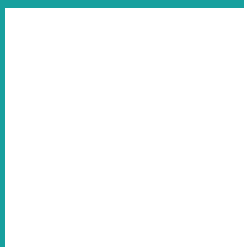
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.0957, 27.7924, 36.7058

Background



This preview shows how black text looks on a background with the XYZ color 19.0957, 27.7924, 36.7058.

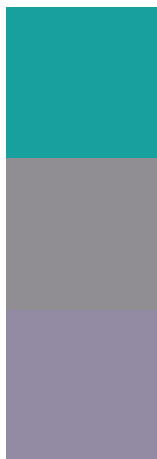


This preview shows how white text looks on a background with the XYZ color 19.0957, 27.7924,

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

19.0957, 27.7924, 36.7058

Protanopia

26.4411, 27.3819, 31.4954

Deuteranopia

27.8761, 27.3126, 38.4530



Tritanopia

20.3405, 27.7873, 42.8195

Trichromacy



Original Color

19.0957, 27.7924, 36.7058

Protanomaly

21.5889, 26.4386, 33.2435

Deuteranomaly

22.3462, 26.2654, 37.6102

Tritanomaly

19.8767, 27.8565, 40.4056

Monochromacy



Original Color

19.0957, 27.7924, 36.7058

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.4149, 20.6285, 25.3068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0957, 27.7924, 36.7058 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(23, 160, 158)` looks like.

```
.text, #text, p{  
    color:rgb(23, 160, 158)  
}
```

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(23, 160, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 160, 158) }
```

Border

The CSS property to change the border of an element to XYZ 19.0957, 27.7924, 36.7058 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(23, 160, 158) }
```


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

```
.border{ border-color:rgb(23, 160, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 160, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 160, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 160, 158);  
box-shadow:4px 4px 4px 4px rgb(23, 160,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0957, 27.7924, 36.7058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 160, 158) }
```

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

```
.background{ background-color: rgb(23, 160,  
158) }
```

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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