

Converting Colors

XYZ(19.3531, 28.1233, 38.0720)

Have a look what the booklet for
XYZ(19.3531, 28.1233, 38.0720)
contains.

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Color

**XYZ(19.3916, 28.1731,
38.1341)**

Conversions

Conversions Part 1

Format	Color
Hex	10A1A1
RGB	16, 161, 161
RGB Percent	6%, 63%, 63%
CMY	0.9372, 0.3686, 0.3686
CMYK	0.90, 0.00, 0.00, 0.37
HSL	180°, 82%, 35%
HSV	180°, 90%, 63%
XYZ	19.3916, 28.1731, 38.1341
YIQ	117.6450, -86.4200, -30.7400

Conversions

Conversions Part 2

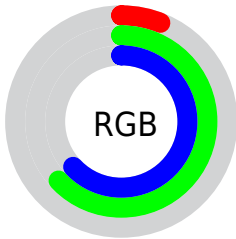
Format	Color
R_{YB}	16, 89, 161
Decimal	1089953
CIE _{Lab}	60.04, -33.43, -9.87
CIE _{LCh}	60, 34.856, 196.441
Yxy	28.1731, 0.2263, 0.3287
Android (android.graphics.Color)	4279280033 (0xFF10A1A1)
YUV	117.6450, 21.3740, -89.1427
Hunter-Lab	53.0783, -27.6740, -5.4420

Details

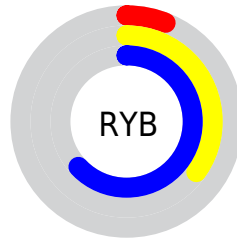
The XYZ color **19.3916, 28.1731, 38.1341** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.9777, 7.9860, 1.2432**, and the grayscale version is **17.0661, 17.9549, 19.5528**.

A 20% lighter version of the original color is **41.8803, 56.6110, 73.6854**, and **8.2831, 12.0631, 16.6437** is the 20% darker color. If you saturate the color by 10%, you get **19.1784, 28.0638, 38.1247**, and if you desaturate by 10%, it is **19.7779, 28.3728, 38.1529**.

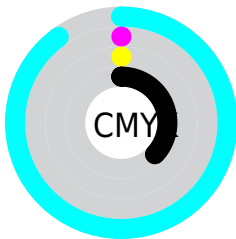
Distribution



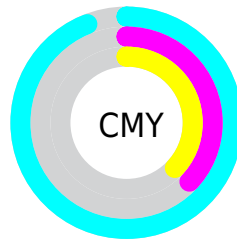
- Red (6%)
- Green (63%)
- Blue (63%)



- Red (6%)
- Yellow (35%)
- Blue (63%)



- Cyan (90%)
- Magenta (0%)
- Yellow (0%)
- Black (37%)



- Cyan (94%)
- Magenta (37%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3916, 28.1731, 38.1341 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 19.3916, 28.1731, 38.1341 by changing the saturation by 10% instead.

■ 19.3916, 28.1731,
38.1341

■ 19.3916, 28.1731,
38.1341

■ 241.4990,
293.2931, 353.5103

■ 12.0593, 18.4562,
25.7841

■ 41.9065, 56.7607,
73.5193

■ 6.8565, 11.2780,
16.4379

■ 57.8199, 76.4001,
97.3917

■ 3.4181, 6.2541,
9.6769

■ 77.3242, 100.1159,
125.9419

■ 1.3785, 3.0002,
5.0824

■ 100.7850,
128.2924, 159.5886

■ 0.2408, 1.1319,
2.2361

■ 128.5675,
161.3139, 198.7502

■ 0.0000, 0.0050,
0.6951

■ 161.0371,

■ 0.0000, 0.0000,

199.5650, 243.8454

0.0000

198.5591,
243.4299, 295.2925

■ 19.3916, 28.1731,
38.1341

■ 19.3916, 28.1731,
38.1341

■ 19.1784, 28.0638,
38.1247

■ 19.7779, 28.3728,
38.1529

■ 20.4079, 28.6976,
38.1824

■ 21.3138, 29.1647,
38.2249

■ 22.5225, 29.7878,
38.2815

■ 24.0576, 30.5791,
38.3534

■ 25.9402, 31.5496,
38.4416

■ 28.1898, 32.7093,
38.5469

■ 30.8245, 34.0676,
38.6703

■ 33.8612, 35.6330,
38.8125

Harmonies

Analogous

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



19.3021, 28.1731, 25.2899



19.3916, 28.1731, 38.1341



21.3118, 28.1731, 52.0398

Triad

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



19.3916, 28.1731, 38.1341



33.4575, 28.1731, 50.8121



28.8308, 28.1731, 12.5093

Complementary

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



19.3916, 28.1731, 38.1341



14.9777, 7.9860, 1.2432

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.



33.1063, 28.1731, 16.1428



19.3916, 28.1731, 38.1341



35.9703, 28.1731, 36.7766

Square

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



19.3916, 28.1731, 38.1341



29.2690, 28.1731, 60.6325



35.8351, 28.1731, 24.2593



24.4320, 28.1731, 12.6852

Rectangle

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



19.3916, 28.1731, 38.1341



23.5063, 28.1731, 59.0109



35.8351, 28.1731, 24.2593



30.3393, 28.1731, 13.2707

Sweetspot

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



19.3925, 28.1741, 38.1348



47.4155, 56.9960, 68.8885



13.0967, 25.6609, 4.7539



10.1380, 12.3656, 15.0960



76.7382, 80.7346, 87.9200



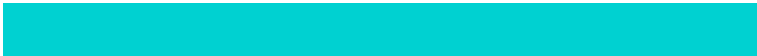
13.3056, 13.9985, 15.2444

Same Dimension

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



19.3925, 28.1741, 38.1348



34.3458, 50.2583, 68.2760



10.3823, 10.1536, 35.1319



7.2761, 8.0113, 9.0659



15.3167, 22.4130, 30.4482



0.3218, 0.4709, 0.6398

Inverse Universe

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



14.9777, 7.9860, 1.2432



26.3228, 13.5699, 1.2319



18.1275, 14.2857, 2.2931



7.0738, 7.0860, 7.3750



11.7388, 6.0516, 0.5494



0.2467, 0.1272, 0.0115

Previews

White Background



This preview shows how the XYZ color 19.3916, 28.1731, 38.1341 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 19.3916, 28.1731, 38.1341 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

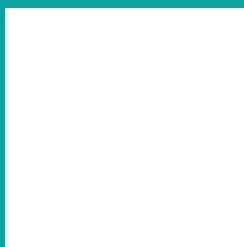
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3916, 28.1731, 38.1341

Background



This preview shows how black text looks on a background with the XYZ color 19.3916, 28.1731, 38.1341.

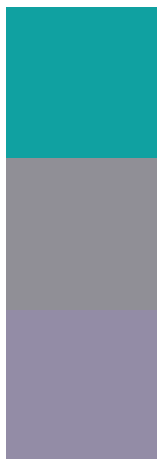


This preview shows how white text looks on a background with the XYZ color 19.3916, 28.1731,

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

19.3916, 28.1731, 38.1341

Protanopia

26.8291, 27.7762, 32.8015

Deuteranopia

28.2936, 27.7124, 39.9342



Tritanopia

20.4402, 28.0819, 43.3728

Trichromacy



Original Color

19.3916, 28.1731, 38.1341

Protanomaly

21.6688, 26.6872, 34.5809

Deuteranomaly

22.4363, 26.5128, 39.0569

Tritanomaly

20.0647, 28.1884, 41.4292

Monochromacy



Original Color

19.3916, 28.1731, 38.1341

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.2215, 20.5208, 25.6602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3916, 28.1731, 38.1341 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(16, 161, 161)` looks like.

```
.text, #text, p{  
    color:rgb(16, 161, 161)  
}
```

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(16, 161, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 161, 161) }
```

Border

The CSS property to change the border of an element to XYZ 19.3916, 28.1731, 38.1341 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(16, 161, 161) }
```


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

```
.border{ border-color:rgb(16, 161, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 161, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 161, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 161, 161);  
box-shadow:4px 4px 4px 4px rgb(16, 161,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3916, 28.1731, 38.1341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 161, 161) }
```

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

```
.background{ background-color: rgb(16, 161,  
161) }
```

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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