

Converting Colors

XYZ(20.3785, 28.6827, 38.1797)

Have a look what the booklet for
XYZ(20.3785, 28.6827, 38.1797)
contains.

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Color

**XYZ(20.3968, 28.6913,
38.1812)**

Conversions

Conversions Part 1

Format	Color
Hex	30A1A1
RGB	48, 161, 161
RGB Percent	19%, 63%, 63%
CMY	0.8117, 0.3686, 0.3686
CMYK	0.70, 0.00, 0.00, 0.37
HSL	180°, 54%, 41%
HSV	180°, 70%, 63%
XYZ	20.3968, 28.6913, 38.1812
YIQ	127.2130, -67.3480, -23.9560

Conversions

Conversions Part 2

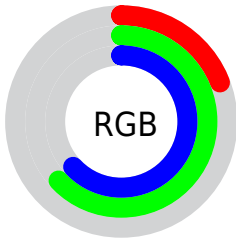
Format	Color
RYB	48, 105, 161
Decimal	3187105
CIELab	60.51, -30.43, -9.12
CIELCh	61, 31.766, 196.692
Yxy	28.6913, 0.2337, 0.3288
Android (android.graphics.Color)	4281377185 (0xFF30A1A1)
YUV	127.2130, 16.6570, -69.4698
Hunter-Lab	53.5643, -25.7662, -4.7676

Details

The XYZ color **20.3968, 28.6913, 38.1812** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.2893, 9.9052, 3.8505**, and the grayscale version is **20.2081, 21.2605, 23.1527**.

A 20% lighter version of the original color is **43.5061, 57.4491, 73.7615**, and **8.2831, 12.0631, 16.6437** is the 20% darker color. If you saturate the color by 10%, you get **19.7712, 28.3694, 38.1525**, and if you desaturate by 10%, it is **21.2998, 29.1574, 38.2242**.

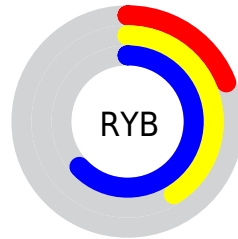
Distribution



Red (19%)

Green (63%)

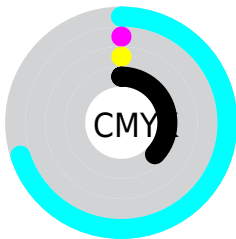
Blue (63%)



Red (19%)

Yellow (41%)

Blue (63%)

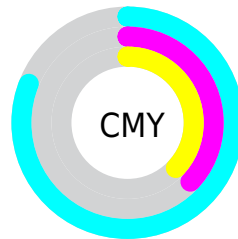


Cyan (70%)

Magenta (0%)

Yellow (0%)

Black (37%)



Cyan (81%)

Magenta (37%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3968, 28.6913, 38.1812 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 20.3968, 28.6913, 38.1812 by changing the saturation by 10% instead.

■ 20.3968, 28.6913,
38.1812

■ 20.3968, 28.6913,
38.1812

246.8480,
295.7556, 353.7181

■ 12.7937, 18.8474,
25.8204

■ 43.5803, 57.5863,
73.5923

■ 7.3627, 11.5601,
16.4648

■ 59.8915, 77.4061,
97.4797

■ 3.7383, 6.4449,
9.6957

■ 79.8362, 101.3201,
126.0464

■ 1.5552, 3.1174,
5.0947

■ 103.7795,
129.7126, 159.7109

■ 0.3629, 1.1933,
2.2432

■ 132.0871,
162.9680, 198.8918

■ 0.0000, 0.0563,
0.6992

165.1241,

■ 0.0000, 0.0000,

201.4707, 244.0076

0.0000

203.2560,
245.6051, 295.4768

■ 20.3968, 28.6913,
38.1812

■ 20.3968, 28.6913,
38.1812

■ 19.7712, 28.3694,
38.1525

■ 21.2998, 29.1574,
38.2242

■ 19.3888, 28.1723,
38.1345

■ 22.5042, 29.7784,
38.2806

■ 19.1784, 28.0638,
38.1246

■ 24.0348, 30.5674,
38.3523

■ 25.9126, 31.5354,
38.4403

■ 28.1572, 32.6926,
38.5454

■ 30.7866, 34.0481,
38.6686

■ 33.8178, 35.6107,
38.8105

■ 37.2665, 37.3886,
38.9720

■ 41.1477, 39.3894,
39.1537

Harmonies

Analogous

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



20.2977, 28.6913, 26.3275



20.3968, 28.6913, 38.1812



22.2141, 28.6913, 50.7092

Triad

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



20.3968, 28.6913, 38.1812



33.4161, 28.6913, 49.4186



29.1247, 28.6913, 14.0217

Complementary

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



20.3968, 28.6913, 38.1812



16.2893, 9.9052, 3.8505

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.



33.0407, 28.6913, 17.5266



20.3968, 28.6913, 38.1812



35.6805, 28.6913, 36.7284

Square

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



20.3968, 28.6913, 38.1812



29.5969, 28.6913, 58.2283



35.5366, 28.6913, 25.1955



25.0688, 28.6913, 14.2249

Rectangle

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



20.3968, 28.6913, 38.1812



24.2694, 28.6913, 56.8895



35.5366, 28.6913, 25.1955



30.5087, 28.6913, 14.7587

Sweetspot

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



20.3977, 28.6924, 38.1819



49.9024, 58.2780, 69.0049



14.5889, 26.3794, 7.1198



10.7084, 12.6596, 15.1227



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.



20.3977, 28.6924, 38.1819



34.9877, 50.5892, 68.3060



12.8466, 13.5900, 35.6654



7.2761, 8.0113, 9.0659



15.3167, 22.4130, 30.4480



0.3218, 0.4709, 0.6398

Inverse Universe

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



16.2893, 9.9052, 3.8505



27.1604, 14.7955, 2.8970



20.0447, 17.4161, 5.1022



7.0738, 7.0860, 7.3750



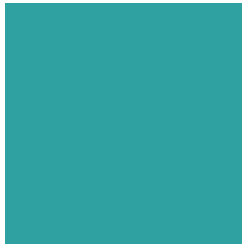
11.7388, 6.0516, 0.5494



0.2467, 0.1272, 0.0115

Previews

White Background



This preview shows how the XYZ color 20.3968, 28.6913, 38.1812 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 20.3968, 28.6913, 38.1812 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

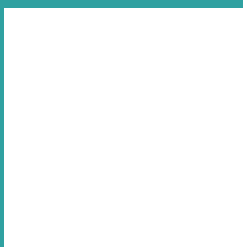
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3968, 28.6913, 38.1812

Background



This preview shows how black text looks on a background with the XYZ color 20.3968, 28.6913, 38.1812.

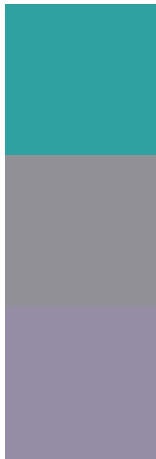


This preview shows how white text looks on a background with the XYZ color 20.3968, 28.6913,

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

20.3968, 28.6913, 38.1812

Protanopia

27.4132, 28.2919, 33.2942

Deuteranopia

28.7108, 28.1559, 39.5187



Tritanopia

21.4201, 28.5871, 43.4186

Trichromacy



Original Color

20.3968, 28.6913, 38.1812

Protanomaly

23.2531, 27.4942, 35.0917

Deuteranomaly

23.9728, 27.3049, 39.1288

Tritanomaly

21.0549, 28.6988, 41.4755

Monochromacy



Original Color

20.3968, 28.6913, 38.1812

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.9298, 22.9260, 27.8535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3968, 28.6913, 38.1812 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(48, 161, 161)` looks like.

```
.text, #text, p{  
    color:rgb(48, 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(48, 161, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 161, 161) }
```

Border

The CSS property to change the border of an element to XYZ 20.3968, 28.6913, 38.1812 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(48, 161, 161) }
```


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

```
.border{ border-color:rgb(48, 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(48, 161, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 161, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 161, 161);  
box-shadow:4px 4px 4px 4px rgb(48, 161,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3968, 28.6913, 38.1812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 161, 161) }
```

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

```
.background{ background-color: rgb(48, 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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