

Converting Colors

XYZ(20.3727, 28.7141, 38.3496)

Have a look what the booklet for
XYZ(20.3727, 28.7141, 38.3496)
contains.

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Color

**XYZ(20.3046, 28.6438,
38.1769)**

Conversions

Conversions Part 1

Format	Color
Hex	2EA1A1
RGB	46, 161, 161
RGB Percent	18%, 63%, 63%
CMY	0.8196, 0.3686, 0.3686
CMYK	0.71, 0.00, 0.00, 0.37
HSL	180°, 56%, 41%
HSV	180°, 71%, 63%
XYZ	20.3046, 28.6438, 38.1769
YIQ	126.6150, -68.5400, -24.3800

Conversions

Conversions Part 2

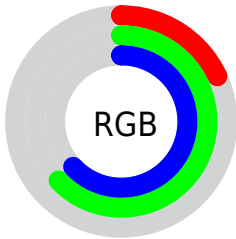
Format	Color
R_{YB}	46, 104, 161
Decimal	3056033
CIE _{Lab}	60.47, -30.70, -9.19
CIE _{LCh}	60, 32.044, 196.669
Yxy	28.6438, 0.2331, 0.3288
Android (android.graphics.Color)	4281246113 (0xFF2EA1A1)
YUV	126.6150, 16.9518, -70.6994
Hunter-Lab	53.5199, -25.9398, -4.8289

Details

The XYZ color **20.3046, 28.6438, 38.1769** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.1690, 9.7292, 3.6113**, and the grayscale version is **20.0026, 21.0443, 22.9172**.

A 20% lighter version of the original color is **43.3809, 57.3846, 73.7557**, and **8.2831, 12.0631, 16.6437** is the 20% darker color. If you saturate the color by 10%, you get **19.7111, 28.3385, 38.1497**, and if you desaturate by 10%, it is **21.1718, 29.0915, 38.2182**.

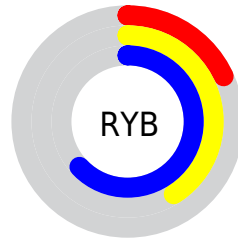
Distribution



Red (18%)

Green (63%)

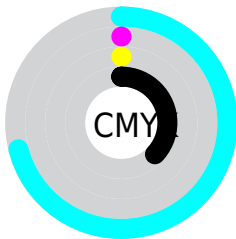
Blue (63%)



Red (18%)

Yellow (41%)

Blue (63%)

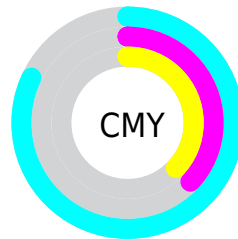


Cyan (71%)

Magenta (0%)

Yellow (0%)

Black (37%)



Cyan (82%)

Magenta (37%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3046, 28.6438, 38.1769 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 20.3046, 28.6438, 38.1769 by changing the saturation by 10% instead.

■ 20.3046, 28.6438,
38.1769

■ 20.3046, 28.6438,
38.1769

■ 246.3616,
295.5306, 353.6991

■ 12.7262, 18.8115,
25.8171

■ 43.4273, 57.5107,
73.5856

■ 7.3160, 11.5342,
16.4623

■ 59.7024, 77.3141,
97.4717

■ 3.7086, 6.4273,
9.6940

■ 79.6070, 101.2099,
126.0368

■ 1.5386, 3.1066,
5.0936

■ 103.5066,
129.5827, 159.6997

■ 0.3519, 1.1877,
2.2426

■ 131.7665,
162.8168, 198.8789

■ 0.0000, 0.0516,
0.6988

164.7521,

■ 0.0000, 0.0000,

201.2965, 243.9928

0.0000

202.8287,
245.4063, 295.4600

■ 20.3046, 28.6438,
38.1769

■ 20.3046, 28.6438,
38.1769

■ 19.7111, 28.3385,
38.1497

■ 21.1718, 29.0915,
38.2182

■ 19.3565, 28.1557,
38.1330

■ 22.3374, 29.6924,
38.2728

■ 19.1784, 28.0639,
38.1246

■ 23.8262, 30.4599,
38.3426

■ 25.6598, 31.4051,
38.4285

■ 27.8578, 32.5383,
38.5315

■ 30.4385, 33.8687,
38.6523

■ 33.4189, 35.4051,
38.7919

■ 36.8149, 37.1558,
38.9509

■ 40.6416, 39.1285,
39.1301

Harmonies

Analogous

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



20.2063, 28.6438, 26.2331



20.3046, 28.6438, 38.1769



22.1316, 28.6438, 50.8275

Triad

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



20.3046, 28.6438, 38.1769



33.4193, 28.6438, 49.5411



29.0973, 28.6438, 13.8805

Complementary

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



20.3046, 28.6438, 38.1769



16.1690, 9.7292, 3.6113

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.



33.0456, 28.6438, 17.3983



20.3046, 28.6438, 38.1769



35.7058, 28.6438, 36.7311

Square

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



20.3046, 28.6438, 38.1769



29.5669, 28.6438, 58.4404



35.5625, 28.6438, 25.1092



25.0103, 28.6438, 14.0814

Rectangle

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



20.3046, 28.6438, 38.1769



24.1998, 28.6438, 57.0774



35.5625, 28.6438, 25.1092



30.4925, 28.6438, 14.6200

Sweetspot

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



20.3055, 28.6449, 38.1776



49.9024, 58.2780, 69.0049



14.4539, 26.3145, 6.9029



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.



20.3055, 28.6449, 38.1776



34.8602, 50.5235, 68.2999



12.6549, 13.3435, 35.6280



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.



16.1690, 9.7292, 3.6113



26.9941, 14.5522, 2.5665



19.9027, 17.1966, 4.8558



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 20.3046, 28.6438, 38.1769 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 20.3046, 28.6438, 38.1769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

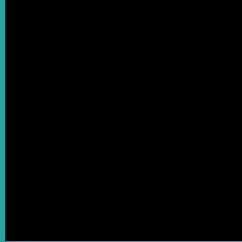
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3046, 28.6438, 38.1769

Background



This preview shows how black text looks on a background with the XYZ color 20.3046, 28.6438, 38.1769.

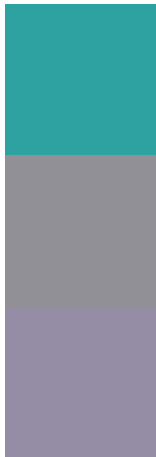


This preview shows how white text looks on a background with the XYZ color 20.3046, 28.6438,

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

20.3046, 28.6438, 38.1769

Protanopia

27.4132, 28.2919, 33.2942

Deuteranopia

28.7108, 28.1559, 39.5187



Tritanopia

21.3127, 28.5317, 43.4136

Trichromacy



Original Color

20.3046, 28.6438, 38.1769



Protanomaly

23.2531, 27.4942, 35.0917



Deuteranomaly

23.9728, 27.3049, 39.1288



Tritanomaly

20.9541, 28.6469, 41.4708

Monochromacy



Original Color

20.3046, 28.6438, 38.1769



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 20.3046, 28.6438, 38.1769 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(46, 161, 161)` looks like.

```
.text, #text, p{  
    color:rgb(46, 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(46, 161, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 161, 161) }
```

Border

The CSS property to change the border of an element to XYZ 20.3046, 28.6438, 38.1769 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(46, 161, 161) }
```


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

```
.border{ border-color:rgb(46, 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(46, 161, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 161, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 161, 161);  
box-shadow:4px 4px 4px 4px rgb(46, 161,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3046, 28.6438, 38.1769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 161, 161) }
```

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

```
.background{ background-color: rgb(46, 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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