

Converting Colors

XYZ(20.4767, 30.6836, 38.4861)

Have a look what the booklet for
XYZ(20.4767, 30.6836, 38.4861)
contains.

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Color

**XYZ(20.4357, 30.5785,
38.5434)**

Conversions

Conversions Part 1

Format	Color
Hex	00A8A1
RGB	0, 168, 161
RGB Percent	0%, 66%, 63%
CMY	0.9999, 0.3412, 0.3686
CMYK	1.00, 0.00, 0.04, 0.34
HSL	177°, 100%, 33%
HSV	177°, 100%, 66%
XYZ	20.4357, 30.5785, 38.5434
YIQ	116.9700, -97.8810, -37.7930

Conversions

Conversions Part 2

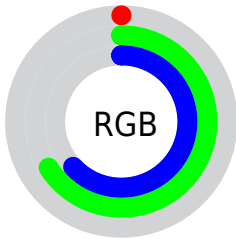
Format	Color
RYB	0, 86, 168
Decimal	43169
CIELab	62.15, -37.32, -6.74
CIELCh	62, 37.918, 190.235
Yxy	30.5785, 0.2282, 0.3414
Android (android.graphics.Color)	4278233249 (0xFF00A8A1)
YUV	116.9700, 21.7068, -102.5827
Hunter-Lab	55.2978, -30.8053, -2.6175

Details

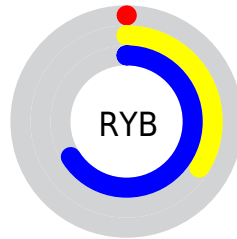
The XYZ color **20.4357, 30.5785, 38.5434** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.1878, 8.3412, 0.9587**, and the grayscale version is **16.8590, 17.7370, 19.3156**.

A 20% lighter version of the original color is **43.7696, 60.7021, 74.3755**, and **8.9452, 13.3873, 16.8644** is the 20% darker color. If you saturate the color by 10%, you get **20.4361, 30.5794, 38.5435**, and if you desaturate by 10%, it is **20.7263, 30.7218, 38.8810**.

Distribution



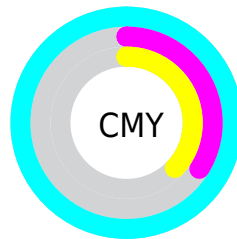
- Red (0%)
- Green (66%)
- Blue (63%)



- Red (0%)
- Yellow (34%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4357, 30.5785, 38.5434 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 20.4357, 30.5785, 38.5434 by changing the saturation by 10% instead.


 20.4357, 30.5785,
38.5434


 20.4357, 30.5785,
38.5434


247.0530,
304.5917, 355.3131


 12.8223, 20.2781,
26.0996


 43.6449, 60.5758,
74.1529

 7.3824, 12.5974,
16.6717


 59.9713, 81.0416,
98.1557


 3.7508, 7.1519,
9.8413


 79.9327, 105.6646,
126.8486

 1.5622, 3.5573,
5.1896

 103.8946,
134.8292, 160.6501

 0.3676, 1.4291,
2.2983

 132.2222,
168.9198, 199.9788

 0.0000, 0.2380,
0.7302

 165.2809,

 0.0000, 0.0000,

208.3208, 245.2531

0.0000

203.4360,
253.4167, 296.8917

■ 20.4357, 30.5785,
38.5434

■ 20.4357, 30.5785,
38.5434

■ 20.4361, 30.5794,
38.5435

■ 20.7263, 30.7218,
38.8810

■ 21.2080, 30.9630,
39.2286

■ 21.9599, 31.3433,
39.5907

■ 23.0167, 31.8809,
39.9689

■ 24.4084, 32.5910,
40.3646

■ 26.1611, 33.4872,
40.7790

■ 28.2985, 34.5817,
41.2132

■ 30.8421, 35.8855,
41.6683

■ 33.8120, 37.4090,
42.1451

Harmonies

Analogous

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



20.7712, 30.5785, 24.6653



20.4357, 30.5785, 38.5434



22.1967, 30.5785, 54.9515

Triad

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



20.4357, 30.5785, 38.5434



35.8758, 30.5785, 59.6933



32.5109, 30.5785, 13.2290

Complementary

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



20.4357, 30.5785, 38.5434



16.1878, 8.3412, 0.9587

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.



37.2189, 30.5785, 18.2388



20.4357, 30.5785, 38.5434



39.3136, 30.5785, 43.7334

Square

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



20.4357, 30.5785, 38.5434



30.8431, 30.5785, 69.3243



39.8321, 30.5785, 28.5457



27.3546, 30.5785, 12.5865

Rectangle

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



20.4357, 30.5785, 38.5434



24.4587, 30.5785, 64.1416



39.8321, 30.5785, 28.5457



34.2138, 30.5785, 14.3696

Sweetspot

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



20.4366, 30.5796, 38.5441



51.1101, 62.6285, 74.7392



14.1088, 28.0607, 4.6735



10.7838, 13.4679, 16.2199



80.6108, 84.8088, 92.3568



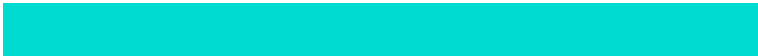
14.7206, 15.4872, 16.8656

Same Dimension

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



20.4366, 30.5796, 38.5441



37.0626, 55.4808, 69.8324



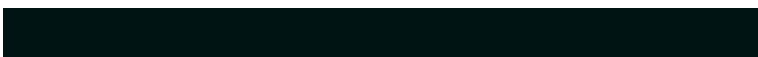
10.9317, 10.5538, 38.5080



7.7338, 8.5266, 9.5845



15.4369, 23.0935, 29.1310



0.3796, 0.5635, 0.7297

Inverse Universe

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



16.1878, 8.3412, 0.9587



29.3538, 15.1267, 1.6351



18.7073, 13.4415, 1.6094



7.5433, 7.5472, 7.9123



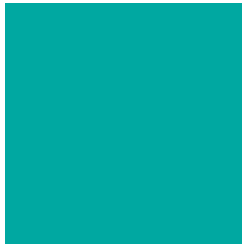
12.2284, 6.3001, 0.7486



0.3014, 0.1548, 0.0384

Previews

White Background



This preview shows how the XYZ color 20.4357, 30.5785, 38.5434 looks on a white background.

Color Contrast Check

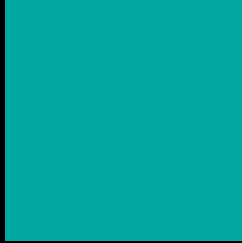
Large Text (above 18pt) WCAG AA × Fail

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 20.4357, 30.5785, 38.5434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

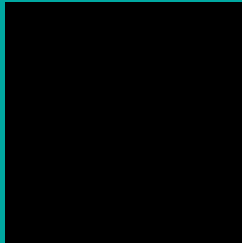
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

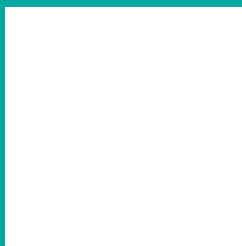
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4357, 30.5785, 38.5434

Background



This preview shows how black text looks on a background with the XYZ color 20.4357, 30.5785, 38.5434.

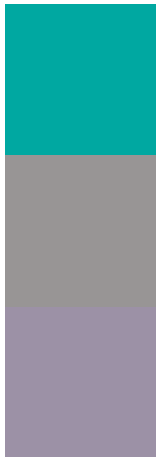


This preview shows how white text looks on a background with the XYZ color 20.4357, 30.5785,

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

20.4357, 30.5785, 38.5434

Protanopia

29.1212, 30.3402, 32.7552

Deuteranopia

30.7186, 30.0719, 40.2618



Tritanopia

22.3194, 30.5400, 47.3663

Trichromacy



Original Color

20.4357, 30.5785, 38.5434



Protanomaly

22.5680, 28.6182, 34.4714



Deuteranomaly

23.2377, 28.1155, 39.3240



Tritanomaly

21.4360, 30.4332, 43.7741

Monochromacy



Original Color

20.4357, 30.5785, 38.5434



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.8618, 20.7576, 25.3609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4357, 30.5785, 38.5434 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(0, 168, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 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(0, 168, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 161) }
```

Border

The CSS property to change the border of an element to XYZ 20.4357, 30.5785, 38.5434 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(0, 168, 161) }
```


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

```
.border{ border-color:rgb(0, 168, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4357, 30.5785, 38.5434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 161) }
```

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

```
.background{ background-color: rgb(0, 168,  
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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