

Converting Colors

XYZ(20.0214, 29.7539, 38.3935)

Have a look what the booklet for
XYZ(20.0214, 29.7539, 38.3935)
contains.

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Color

**XYZ(20.0692, 29.8456,
38.4212)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6A1
RGB	0, 166, 161
RGB Percent	0%, 65%, 63%
CMY	0.9999, 0.3490, 0.3686
CMYK	1.00, 0.00, 0.03, 0.35
HSL	178°, 100%, 33%
HSV	178°, 100%, 65%
XYZ	20.0692, 29.8456, 38.4212
YIQ	115.7960, -97.3310, -36.7470

Conversions

Conversions Part 2

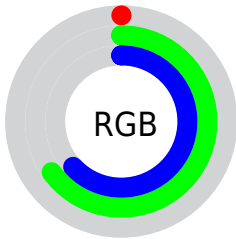
Format	Color
RYB	0, 84, 166
Decimal	42657
CIELab	61.52, -36.40, -7.67
CIELCh	62, 37.203, 191.903
Yxy	29.8456, 0.2272, 0.3379
Android (android.graphics.Color)	4278232737 (0xFF00A6A1)
YUV	115.7960, 22.2856, -101.5531
Hunter-Lab	54.6311, -30.0310, -3.4559

Details

The XYZ color **20.0692, 29.8456, 38.4212** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.7542, 8.1188, 0.8811**, and the grayscale version is **16.4960, 17.3551, 18.8997**.

A 20% lighter version of the original color is **43.1320, 59.5801, 74.1926**, and **8.7196, 12.9360, 16.7892** is the 20% darker color. If you saturate the color by 10%, you get **20.0697, 29.8465, 38.4215**, and if you desaturate by 10%, it is **20.3385, 29.9800, 38.6652**.

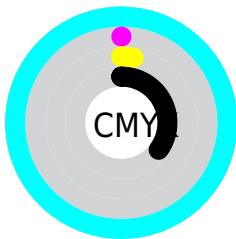
Distribution



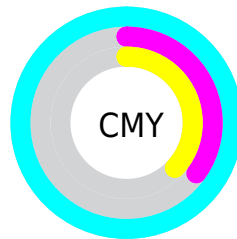
- Red (0%)
- Green (65%)
- Blue (63%)



- Red (0%)
- Yellow (33%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0692, 29.8456, 38.4212 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 20.0692, 29.8456, 38.4212 by changing the saturation by 10% instead.

■ 20.0692, 29.8456,
38.4212

■ 20.0692, 29.8456,
38.4212

■ 245.1159,
301.1841, 354.7756

■ 12.5539, 19.7214,
26.0054

■ 43.0362, 59.4179,
73.9638

■ 7.1970, 12.1927,
16.6019

■ 59.2187, 79.6348,
97.9278

■ 3.6330, 6.8751,
9.7921

■ 79.0209, 103.9848,
126.5781

■ 1.4967, 3.3841,
5.1575

■ 102.8082,
132.8522, 160.3335

■ 0.3236, 1.3354,
2.2796

■ 130.9461,
166.6215, 199.6124

■ 0.0000, 0.1684,
0.7198

■ 163.7997,

■ 0.0000, 0.0000,

205.6769, 244.8333

0.0000

201.7345,
250.4030, 296.4149

■ 20.0692, 29.8456,
38.4212

■ 20.0692, 29.8456,
38.4212

■ 20.0697, 29.8465,
38.4215

■ 20.3385, 29.9800,
38.6652

■ 20.7928, 30.2091,
38.9182

■ 21.5098, 30.5735,
39.1843

■ 22.5233, 31.0908,
39.4653

■ 23.8623, 31.7759,
39.7624

■ 25.5521, 32.6418,
40.0768

■ 27.6157, 33.7004,
40.4097

■ 30.0741, 34.9625,
40.7620

■ 32.9467, 36.4382,
41.1346

Harmonies

Analogous

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



20.2803, 29.8456, 24.7752



20.0692, 29.8456, 38.4212



21.8833, 29.8456, 54.1984

Triad

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



20.0692, 29.8456, 38.4212



35.1778, 29.8456, 57.1672



31.4136, 29.8456, 12.9254

Complementary

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



20.0692, 29.8456, 38.4212



15.7542, 8.1188, 0.8811

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.



36.0202, 29.8456, 17.5336



20.0692, 29.8456, 38.4212



38.3607, 29.8456, 41.6761

Square

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



20.0692, 29.8456, 38.4212



30.3669, 29.8456, 66.9386



38.6857, 29.8456, 27.2150



26.4576, 29.8456, 12.5193

Rectangle

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



20.0692, 29.8456, 38.4212



24.1347, 29.8456, 62.7944



38.6857, 29.8456, 27.2150



33.0680, 29.8456, 13.9552

Sweetspot

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



20.0701, 29.8467, 38.4219



49.8848, 61.0414, 73.3020



13.7064, 27.3092, 4.5496



10.8081, 13.4777, 16.3480



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.



20.0701, 29.8467, 38.4219



36.4086, 54.1610, 69.6510



10.4182, 9.8230, 37.4245



7.7376, 8.5281, 9.6045



15.5658, 23.1451, 29.8101



0.3816, 0.5643, 0.7406

Inverse Universe

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



15.7542, 8.1188, 0.8811



28.5768, 14.7277, 1.5241



18.4142, 13.4827, 1.6326



7.5399, 7.5458, 7.8945



12.2191, 6.2963, 0.6993



0.3001, 0.1543, 0.0316

Previews

White Background



This preview shows how the XYZ color 20.0692, 29.8456, 38.4212 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 20.0692, 29.8456, 38.4212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

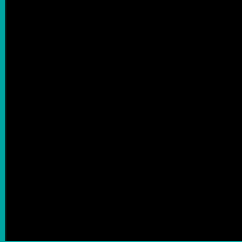
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0692, 29.8456, 38.4212

Background



This preview shows how black text looks on a background with the XYZ color 20.0692, 29.8456, 38.4212.

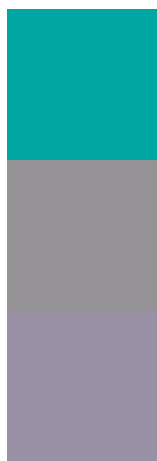


This preview shows how white text looks on a background with the XYZ color 20.0692, 29.8456,

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

20.0692, 29.8456, 38.4212

Protanopia

28.5164, 29.5535, 33.0556

Deuteranopia

30.1826, 29.5697, 40.1931



Tritanopia

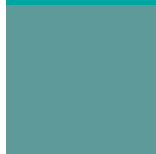
21.8710, 30.0653, 46.2454

Trichromacy



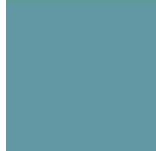
Original Color

20.0692, 29.8456, 38.4212



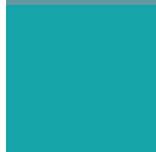
Protanomaly

22.1077, 27.8772, 34.7875



Deuteranomaly

22.9661, 27.7335, 39.2646



Tritanomaly

21.1367, 30.0211, 43.2087

Monochromacy



Original Color

20.0692, 29.8456, 38.4212



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

15.5140, 20.1720, 24.9057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0692, 29.8456, 38.4212 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, 166, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 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, 166, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 161) }
```

Border

The CSS property to change the border of an element to XYZ 20.0692, 29.8456, 38.4212 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, 166, 161) }
```


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

```
.border{ border-color:rgb(0, 166, 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, 166, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0692, 29.8456, 38.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 161) }
```

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

```
.background{ background-color: rgb(0, 166,  
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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