

Converting Colors

XYZ(15.9395, 28.8949, 36.0500)

Have a look what the booklet for
XYZ(15.9395, 28.8949, 36.0500)
contains.

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Color

**XYZ(20.3755, 31.1498,
36.3911)**

Conversions

Conversions Part 1

Format	Color
Hex	00AA9C
RGB	0, 170, 156
RGB Percent	0%, 67%, 61%
CMY	0.9999, 0.3333, 0.3882
CMYK	1.00, 0.00, 0.08, 0.33
HSL	175°, 100%, 33%
HSV	175°, 100%, 67%
XYZ	20.3755, 31.1498, 36.3911
YIQ	117.5740, -96.8260, -40.3940

Conversions

Conversions Part 2

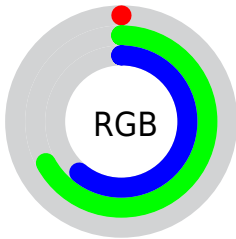
Format	Color
RYB	0, 89, 170
Decimal	43676
CIELab	62.63, -39.69, -3.22
CIELCh	63, 39.825, 184.637
Yxy	31.1498, 0.2318, 0.3543
Android (android.graphics.Color)	4278233756 (0xFF00AA9C)
YUV	117.5740, 18.9440, -103.1124
Hunter-Lab	55.8120, -32.5053, 0.4095

Details

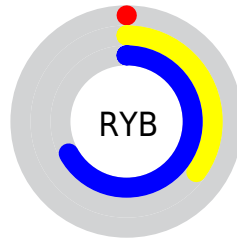
The XYZ color **20.3755, 31.1498, 36.3911** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.6579, 8.5787, 1.1943**, and the grayscale version is **17.0540, 17.9422, 19.5390**.

A 20% lighter version of the original color is **43.4453, 61.4255, 70.5393**, and **8.9111, 13.7425, 15.5475** is the 20% darker color. If you saturate the color by 10%, you get **20.3759, 31.1507, 36.3909**, and if you desaturate by 10%, it is **20.7270, 31.3179, 37.0309**.

Distribution



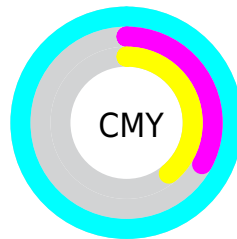
- Red (0%)
- Green (67%)
- Blue (61%)



- Red (0%)
- Yellow (35%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3755, 31.1498, 36.3911 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 20.3755, 31.1498, 36.3911 by changing the saturation by 10% instead.

■ 20.3755, 31.1498,
36.3911

■ 20.3755, 31.1498,
36.3911

■ 246.7357,
307.2279, 345.7557

■ 12.7781, 20.7129,
24.4443

■ 43.5450, 61.4758,
70.8111

■ 7.3519, 12.9143,
15.4483

■ 59.8479, 82.1338,
94.1214

■ 3.7314, 7.3696,
8.9845

■ 79.7832, 106.9676,
122.0567

■ 1.5513, 3.6943,
4.6344

■ 103.7165,
136.3616, 155.0354

■ 0.3604, 1.5041,
1.9794

■ 132.0131,
170.7003, 193.4761

■ 0.0000, 0.2916,
0.5426

■ 165.0382,

■ 0.0000, 0.0000,

210.3679, 237.7974

0.0000

203.1573,
255.7490, 288.4177

■ 20.3755, 31.1498,
36.3911

■ 20.3755, 31.1498,
36.3911

■ 20.3759, 31.1507,
36.3909

■ 20.7270, 31.3179,
37.0309

■ 21.2766, 31.5873,
37.6864

■ 22.1047, 32.0001,
38.3622

■ 23.2473, 32.5749,
39.0599

■ 24.7351, 33.3275,
39.7809

■ 26.5951, 34.2718,
40.5267

■ 28.8517, 35.4203,
41.2982

■ 31.5270, 36.7846,
42.0967

■ 34.6417, 38.3752,
42.9231

Harmonies

Analogous

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



21.1424, 31.1498, 22.6574



20.3755, 31.1498, 36.3911



21.8237, 31.1498, 53.8991

Triad

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



20.3755, 31.1498, 36.3911



35.9437, 31.1498, 64.9305



34.3061, 31.1498, 13.4434

Complementary

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



20.3755, 31.1498, 36.3911



16.6579, 8.5787, 1.1943

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.



39.0504, 31.1498, 19.6072



20.3755, 31.1498, 36.3911



40.0740, 31.1498, 48.3981

Square

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



20.3755, 31.1498, 36.3911



30.4587, 31.1498, 73.2813



41.2749, 31.1498, 31.5573



28.7712, 31.1498, 11.9970

Rectangle

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



20.3755, 31.1498, 36.3911



23.9684, 31.1498, 64.5964



41.2749, 31.1498, 31.5573



36.0670, 31.1498, 14.9151

Sweetspot

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



20.3764, 31.1510, 36.3918



52.0980, 64.1376, 74.8492



14.5594, 28.8454, 4.8011



11.2279, 14.1043, 16.5627



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.3764, 31.1510, 36.3918



36.9297, 56.5022, 65.8199



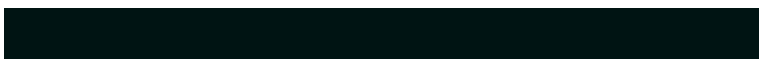
11.7351, 11.8601, 39.7023



7.7205, 8.5212, 9.5142



14.9981, 22.9180, 26.8204



0.3724, 0.5606, 0.6922

Inverse Universe

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



16.6579, 8.5787, 1.1943



30.1897, 15.5505, 1.9945



18.8220, 13.0337, 1.5245



7.5553, 7.5520, 7.9753



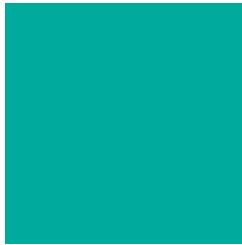
12.2621, 6.3136, 0.9261



0.3059, 0.1566, 0.0624

Previews

White Background



This preview shows how the XYZ color 20.3755, 31.1498, 36.3911 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 20.3755, 31.1498, 36.3911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

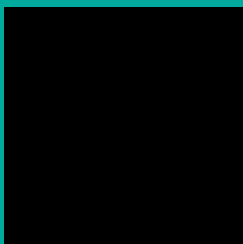
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

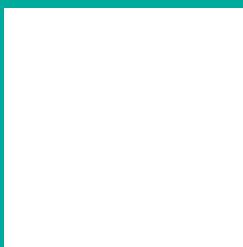
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3755, 31.1498, 36.3911

Background



This preview shows how black text looks on a background with the XYZ color 20.3755, 31.1498, 36.3911.

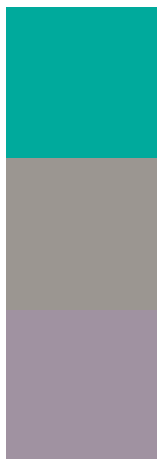


This preview shows how white text looks on a background with the XYZ color 20.3755, 31.1498,

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

20.3755, 31.1498, 36.3911

Protanopia

29.5347, 30.8256, 31.1813

Deuteranopia

31.2091, 30.6046, 37.9806



Tritanopia

22.7889, 31.0391, 47.9701

Trichromacy



Original Color

20.3755, 31.1498, 36.3911

Protanomaly

22.6274, 28.9365, 32.8265

Deuteranomaly

23.4588, 28.7707, 37.1178

Tritanomaly

21.5954, 30.7973, 43.3344

Monochromacy



Original Color

20.3755, 31.1498, 36.3911

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.0122, 21.0531, 25.0495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3755, 31.1498, 36.3911 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, 170, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 156)  
}
```

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, 170, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 156) }
```

Border

The CSS property to change the border of an element to XYZ 20.3755, 31.1498, 36.3911 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, 170, 156) }
```


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

```
.border{ border-color:rgb(0, 170, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3755, 31.1498, 36.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 156) }
```

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

```
.background{ background-color: rgb(0, 170,  
156) }
```

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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