

Converting Colors

XYZ(12.0247, 26.3780, 36.3437)

Have a look what the booklet for
XYZ(12.0247, 26.3780, 36.3437)
contains.

XYZ(20.0884, 30.4396, 36.7149)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.0884, 30.4396,
36.7149)**

Conversions

Conversions Part 1

Format	Color
Hex	00A89D
RGB	0, 168, 157
RGB Percent	0%, 66%, 62%
CMY	0.9999, 0.3412, 0.3843
CMYK	1.00, 0.00, 0.07, 0.34
HSL	176°, 100%, 33%
HSV	176°, 100%, 66%
XYZ	20.0884, 30.4396, 36.7149
YIQ	116.5140, -96.5970, -39.0370

Conversions

Conversions Part 2

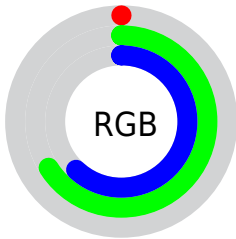
Format	Color
RYB	0, 87, 168
Decimal	43165
CIELab	62.03, -38.51, -4.67
CIELCh	62, 38.793, 186.912
Yxy	30.4396, 0.2303, 0.3489
Android (android.graphics.Color)	4278233245 (0xFF00A89D)
YUV	116.5140, 19.9596, -102.1828
Hunter-Lab	55.1721, -31.5585, -0.8347

Details

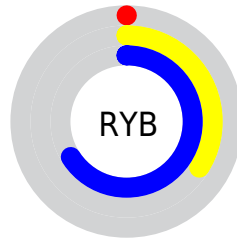
The XYZ color **20.0884, 30.4396, 36.7149** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.2098, 8.3498, 1.0746**, and the grayscale version is **16.7225, 17.5934, 19.1592**.

A 20% lighter version of the original color is **43.0296, 60.3941, 71.0174**, and **8.7323, 13.3021, 15.7430** is the 20% darker color. If you saturate the color by 10%, you get **20.0889, 30.4406, 36.7150**, and if you desaturate by 10%, it is **20.4114, 30.5959, 37.2233**.

Distribution



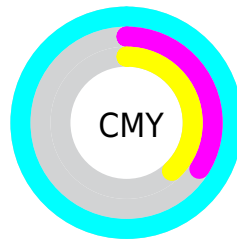
- Red (0%)
- Green (66%)
- Blue (62%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0884, 30.4396, 36.7149 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 20.0884, 30.4396, 36.7149 by changing the saturation by 10% instead.

■ 20.0884, 30.4396,
36.7149

■ 20.0884, 30.4396,
36.7149

■ 245.2177,
303.9482, 347.2060

■ 12.5680, 20.1725,
24.6928

■ 43.0682, 60.3567,
71.3155

■ 7.2067, 12.5205,
15.6314

■ 59.2582, 80.7755,
94.7311

■ 3.6392, 7.0992,
9.1122

■ 79.0688, 105.3469,
122.7815

■ 1.5001, 3.5242,
4.7166

■ 102.8653,
134.4554, 155.8854

■ 0.3259, 1.4112,
2.0261

■ 131.0131,
168.4854, 194.4612

■ 0.0000, 0.2249,
0.5713

■ 163.8775,

■ 0.0000, 0.0000,

207.8213, 238.9276

0.0000

201.8240,
252.8474, 289.7030

■ 20.0884, 30.4396,
36.7149

■ 20.0884, 30.4396,
36.7149

■ 20.0889, 30.4406,
36.7150

■ 20.4114, 30.5959,
37.2233

■ 20.9260, 30.8502,
37.7445

■ 21.7111, 31.2438,
38.2828

■ 22.8018, 31.7949,
38.8398

■ 24.2277, 32.5187,
39.4169

■ 26.0152, 33.4288,
40.0155

■ 28.1879, 34.5373,
40.6366

■ 30.7673, 35.8555,
41.2811

■ 33.7735, 37.3935,
41.9502

Harmonies

Analogous

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



20.6655, 30.4396, 23.1241



20.0884, 30.4396, 36.7149



21.6432, 30.4396, 53.5163

Triad

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



20.0884, 30.4396, 36.7149



35.3703, 30.4396, 61.7580



33.0378, 30.4396, 13.1469

Complementary

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



20.0884, 30.4396, 36.7149



16.2098, 8.3498, 1.0746

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.



37.6969, 30.4396, 18.7345



20.0884, 30.4396, 36.7149



39.1524, 30.4396, 45.7055

Square

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



20.0884, 30.4396, 36.7149



30.1535, 30.4396, 70.5296



40.0512, 30.4396, 29.8116



27.7438, 30.4396, 12.0516

Rectangle

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



20.0884, 30.4396, 36.7149



23.8037, 30.4396, 63.4345



40.0512, 30.4396, 29.8116



34.7484, 30.4396, 14.4586

Sweetspot

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



20.0893, 30.4407, 36.7156



50.9078, 62.5476, 73.6738



14.1442, 28.0790, 4.6749



10.7340, 13.4480, 15.9578



80.6108, 84.8088, 92.3568



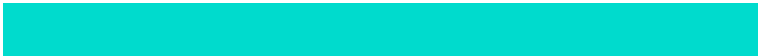
14.7206, 15.4872, 16.8656

Same Dimension

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



20.0893, 30.4407, 36.7156



36.4217, 55.2245, 66.4578



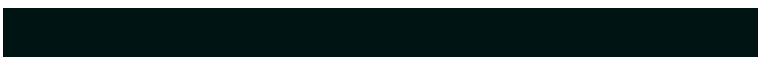
11.1797, 11.0499, 38.5907



7.7260, 8.5235, 9.5434



15.1772, 22.9896, 27.7634



0.3754, 0.5618, 0.7076

Inverse Universe

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



16.2098, 8.3498, 1.0746



29.3855, 15.1393, 1.8019



18.5194, 13.0658, 1.5465



7.5503, 7.5500, 7.9491



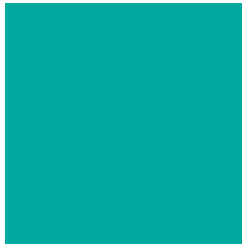
12.2477, 6.3078, 0.8502



0.3040, 0.1559, 0.0524

Previews

White Background



This preview shows how the XYZ color 20.0884, 30.4396, 36.7149 looks on a white background.

Color Contrast Check

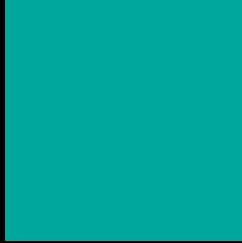
Large Text (above 18pt) WCAG AA × Fail

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 20.0884, 30.4396, 36.7149 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

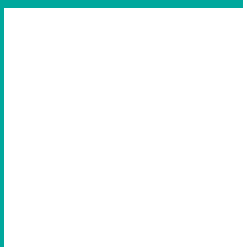
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0884, 30.4396, 36.7149

Background



This preview shows how black text looks on a background with the XYZ color 20.0884, 30.4396, 36.7149.

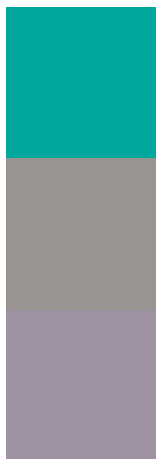


This preview shows how white text looks on a background with the XYZ color 20.0884, 30.4396,

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

20.0884, 30.4396, 36.7149

Protanopia

28.7271, 29.9305, 31.4572

Deuteranopia

30.5516, 30.0275, 38.3681



Tritanopia

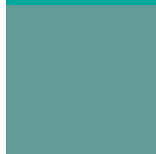
22.3277, 30.5560, 46.8406

Trichromacy



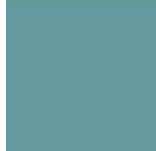
Original Color

20.0884, 30.4396, 36.7149



Protanomaly

22.1561, 28.1861, 33.1269



Deuteranomaly

22.9919, 28.0299, 37.4562



Tritanomaly

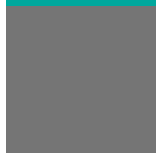
21.2928, 30.3814, 42.7722

Monochromacy



Original Color

20.0884, 30.4396, 36.7149



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.7931, 20.7301, 24.9987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0884, 30.4396, 36.7149 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 157) }
```

Border

The CSS property to change the border of an element to XYZ 20.0884, 30.4396, 36.7149 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, 157) }
```


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

```
.border{ border-color:rgb(0, 168, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0884, 30.4396, 36.7149 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, 157) }
```

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

```
.background{ background-color: rgb(0, 168,  
157) }
```

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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