

Converting Colors

XYZ(20.6406, 30.7492, 39.3490)

Have a look what the booklet for
XYZ(20.6406, 30.7492, 39.3490)
contains.

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Color

**XYZ(20.6135, 30.6496,
39.4799)**

Conversions

Conversions Part 1

Format	Color
Hex	00A8A3
RGB	0, 168, 163
RGB Percent	0%, 66%, 64%
CMY	0.9999, 0.3412, 0.3608
CMYK	1.00, 0.00, 0.03, 0.34
HSL	178°, 100%, 33%
HSV	178°, 100%, 66%
XYZ	20.6135, 30.6496, 39.4799
YIQ	117.1980, -98.5230, -37.1710

Conversions

Conversions Part 2

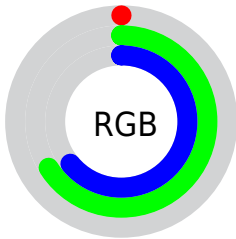
Format	Color
RYB	0, 85, 168
Decimal	43171
CIELab	62.21, -36.71, -7.77
CIELCh	62, 37.523, 191.951
Yxy	30.6496, 0.2272, 0.3378
Android (android.graphics.Color)	4278233251 (0xFF00A8A3)
YUV	117.1980, 22.5804, -102.7826
Hunter-Lab	55.3621, -30.4210, -3.5275

Details

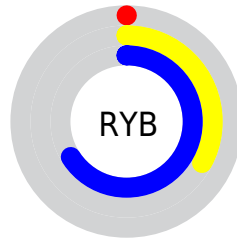
The XYZ color **20.6135, 30.6496, 39.4799** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.1768, 8.3367, 0.9010**, and the grayscale version is **16.9269, 17.8084, 19.3934**.

A 20% lighter version of the original color is **44.0299, 60.8062, 75.7458**, and **9.0000, 13.4092, 17.1528** is the 20% darker color. If you saturate the color by 10%, you get **20.6140, 30.6505, 39.4802**, and if you desaturate by 10%, it is **20.8871, 30.7861, 39.7278**.

Distribution



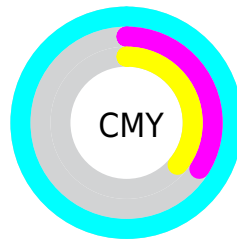
- Red (0%)
- Green (66%)
- Blue (64%)



- Red (0%)
- Yellow (33%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (36%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6135, 30.6496, 39.4799 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 20.6135, 30.6496, 39.4799 by changing the saturation by 10% instead.

■ 20.6135, 30.6496,
39.4799

■ 20.6135, 30.6496,
39.4799

■ 247.9880,
304.9208, 359.4132

■ 12.9526, 20.3322,
26.8226

■ 43.9395, 60.6880,
75.5993

■ 7.4727, 12.6367,
17.2088

■ 60.3354, 81.1777,
99.8984

■ 3.8084, 7.1789,
10.2199

■ 80.3737, 105.8270,
128.9152

■ 1.5943, 3.5742,
5.4375

■ 104.4197,
135.0203, 163.0682

■ 0.3887, 1.4384,
2.4430

■ 132.8387,
169.1419, 202.7760

■ 0.0000, 0.2447,
0.8097

■ 165.9962,

■ 0.0000, 0.0000,

208.5762, 248.4570

0.0000

204.2576,
253.7077, 300.5299

■ 20.6135, 30.6496,
39.4799

■ 20.6135, 30.6496,
39.4799

■ 20.6140, 30.6505,
39.4802

■ 20.8871, 30.7861,
39.7278

■ 21.3516, 31.0204,
39.9850

■ 22.0860, 31.3937,
40.2556

■ 23.1253, 31.9243,
40.5415

■ 24.4993, 32.6273,
40.8439

■ 26.2341, 33.5163,
41.1642

■ 28.3533, 34.6035,
41.5034

■ 30.8787, 35.9001,
41.8626

■ 33.8301, 37.4162,
42.2426

Harmonies

Analogous

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



20.8269, 30.6496, 25.4634



20.6135, 30.6496, 39.4799



22.4793, 30.6496, 55.6750

Triad

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



20.6135, 30.6496, 39.4799



36.1302, 30.6496, 58.6751



32.2506, 30.6496, 13.2741

Complementary

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



20.6135, 30.6496, 39.4799



16.1768, 8.3367, 0.9010

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.



36.9815, 30.6496, 17.9981



20.6135, 30.6496, 39.4799



39.3937, 30.6496, 42.7693

Square

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



20.6135, 30.6496, 39.4799



31.1926, 30.6496, 68.7205



39.7222, 30.6496, 27.9293



27.1633, 30.6496, 12.8635

Rectangle

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



20.6135, 30.6496, 39.4799



24.7926, 30.6496, 64.4914



39.7222, 30.6496, 27.9293



33.9493, 30.6496, 14.3292

Sweetspot

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



20.6144, 30.6507, 39.4806



51.2120, 62.6693, 75.2758



14.0737, 28.0425, 4.6718



10.8089, 13.4780, 16.3520



80.6108, 84.8088, 92.3568



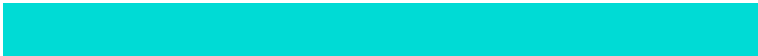
14.7206, 15.4872, 16.8656

Same Dimension

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



20.6144, 30.6507, 39.4806



37.3910, 55.6122, 71.5618



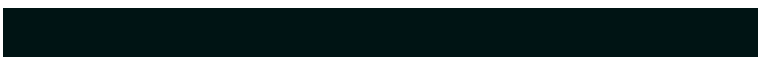
10.6922, 10.0749, 38.4281



7.7378, 8.5281, 9.6051



15.5699, 23.1467, 29.8314



0.3817, 0.5643, 0.7410

Inverse Universe

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



16.1768, 8.3367, 0.9010



29.3395, 15.1210, 1.5598



18.9032, 13.8333, 1.6746



7.5398, 7.5458, 7.8939



12.2188, 6.2962, 0.6977



0.3000, 0.1543, 0.0314

Previews

White Background



This preview shows how the XYZ color 20.6135, 30.6496, 39.4799 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 20.6135, 30.6496, 39.4799 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

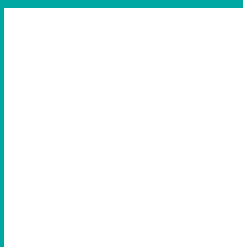
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6135, 30.6496, 39.4799

Background



This preview shows how black text looks on a background with the XYZ color 20.6135, 30.6496, 39.4799.

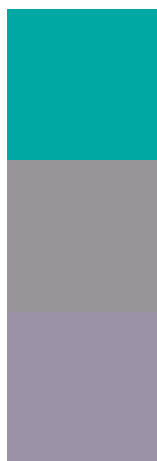


This preview shows how white text looks on a background with the XYZ color 20.6135, 30.6496,

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

20.6135, 30.6496, 39.4799

Protanopia

29.0959, 30.3086, 33.5948

Deuteranopia

30.8643, 30.3535, 41.2779



Tritanopia

22.4660, 30.8844, 47.4250

Trichromacy



Original Color

20.6135, 30.6496, 39.4799

Protanomaly

22.6287, 28.6303, 35.3439

Deuteranomaly

23.5841, 28.5170, 40.3377

Tritanomaly

21.6924, 30.8251, 44.3417

Monochromacy



Original Color

20.6135, 30.6496, 39.4799

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

15.9313, 20.7854, 25.7266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6135, 30.6496, 39.4799 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 163) }
```

Border

The CSS property to change the border of an element to XYZ 20.6135, 30.6496, 39.4799 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, 163) }
```


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

```
.border{ border-color:rgb(0, 168, 163) }
```

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, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6135, 30.6496, 39.4799 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, 163) }
```

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

```
.background{ background-color: rgb(0, 168,  
163) }
```

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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