

Converting Colors

XYZ(19.9324, 26.9269, 46.5300)

Have a look what the booklet for
XYZ(19.9324, 26.9269, 46.5300)
contains.

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Color

**XYZ(20.0252, 27.0316,
46.8100)**

Conversions

Conversions Part 1

Format	Color
Hex	009CB3
RGB	0, 156, 179
RGB Percent	0%, 61%, 70%
CMY	0.9998, 0.3882, 0.2980
CMYK	1.00, 0.13, 0.00, 0.30
HSL	188°, 100%, 35%
HSV	188°, 100%, 70%
XYZ	20.0252, 27.0316, 46.8100
YIQ	111.9780, -100.3590, -25.9190

Conversions

Conversions Part 2

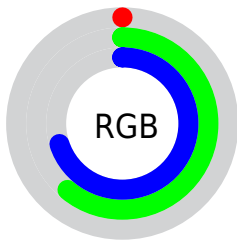
Format	Color
R _Y B	0, 83, 179
Decimal	40115
CIE Lab	59.00, -25.77, -21.63
CIE LCh	59, 33.645, 220.007
Yxy	27.0316, 0.2133, 0.2880
Android (android.graphics.Color)	4278230195 (0xFF009CB3)
YUV	111.9780, 33.0418, -98.2047
Hunter-Lab	51.9919, -22.2348, -16.9863

Details

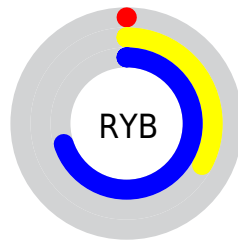
The XYZ color **20.0252, 27.0316, 46.8100** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.8980, 10.1983, 0.9736**, and the grayscale version is **15.3257, 16.1239, 17.5589**.

A 20% lighter version of the original color is **43.0090, 55.0196, 86.9503**, and **8.7162, 11.4070, 21.4810** is the 20% darker color. If you saturate the color by 10%, you get **20.0247, 27.0306, 46.8104**, and if you desaturate by 10%, it is **20.6636, 27.9397, 46.9522**.

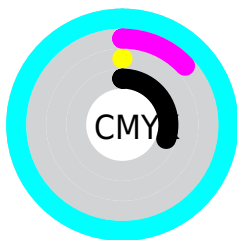
Distribution



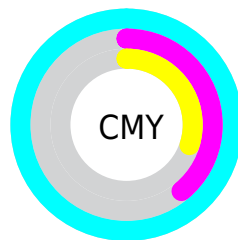
- Red (0%)
- Green (61%)
- Blue (70%)



- Red (0%)
- Yellow (33%)
- Blue (70%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (39%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0252, 27.0316, 46.8100 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 20.0252, 27.0316, 46.8100 by changing the saturation by 10% instead.

■ 20.0252, 27.0316,
46.8100

■ 20.0252, 27.0316,
46.8100

■ 244.8825,
287.8101, 390.4274

■ 12.5217, 17.5970,
32.5322

■ 42.9630, 54.9346,
86.7770

■ 7.1748, 10.6610,
21.5002

■ 59.1281, 74.1717,
113.3032

■ 3.6189, 5.8394,
13.2953

■ 78.9112, 97.4451,
144.7493

■ 1.4889, 2.7477,
7.4991

■ 102.6774,
125.1392, 181.5339

■ 0.3183, 1.0015,
3.6930

■ 130.7924,
157.6383, 224.0755

■ 0.0000, 0.0000,
1.4585

■ 163.6213,

■ 0.0000, 0.0000,

195.3269, 272.7925

0.1867

201.5295,
238.5894, 328.1037

■ 0.0000, 0.0000,
0.0000

■ 20.0252, 27.0316,
46.8100

■ 20.0252, 27.0316,
46.8100

■ 20.0247, 27.0306,
46.8104

■ 20.6636, 27.9397,
46.9522

■ 21.5343, 28.9780,
47.1067

■ 22.7242, 30.1919,
47.2783

■ 24.2744, 31.6024,
47.4688

■ 26.2199, 33.2279,
47.6800

■ 28.5914, 35.0841,
47.9133

■ 31.4166, 37.1854,
48.1700

■ 34.7207, 39.5448,
48.4513

■ 38.5273, 42.1746,
48.7583

Harmonies

Analogous

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



18.5751, 27.0316, 33.6080



20.0252, 27.0316, 46.8100



23.0465, 27.0316, 56.7303

Triad

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



20.0252, 27.0316, 46.8100



33.9922, 27.0316, 38.0070



24.3239, 27.0316, 12.1106

Complementary

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



20.0252, 27.0316, 46.8100



18.8980, 10.1983, 0.9736

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.



28.5341, 27.0316, 12.6922



20.0252, 27.0316, 46.8100



34.4296, 27.0316, 25.6186

Square

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



20.0252, 27.0316, 46.8100



31.2024, 27.0316, 50.7694



32.3398, 27.0316, 16.9963



20.8731, 27.0316, 15.1099

Rectangle

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



20.0252, 27.0316, 46.8100



25.6937, 27.0316, 58.9017



32.3398, 27.0316, 16.9963



25.6918, 27.0316, 11.9183

Sweetspot

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



20.0261, 27.0326, 46.8107



55.9767, 66.3867, 86.2448



16.2554, 32.2947, 6.0823



11.9160, 14.3505, 19.0641



86.6293, 91.1408, 99.2523



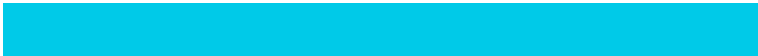
17.0014, 17.8868, 19.4787

Same Dimension

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



20.0261, 27.0326, 46.8107



35.7467, 48.1773, 83.7963



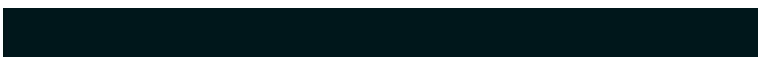
10.2434, 7.4673, 43.5498



8.6477, 9.4415, 10.8729



14.1836, 19.1675, 33.0891



0.4721, 0.6547, 1.0497

Inverse Universe

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



24.5920, 11.9851, 32.4706



43.9827, 21.4393, 57.8390



24.2100, 20.8221, 2.7442



8.8021, 8.6276, 10.4563



17.3939, 8.4751, 23.0318



0.5603, 0.2719, 0.7933

Previews

White Background



This preview shows how the XYZ color 20.0252, 27.0316, 46.8100 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 20.0252, 27.0316, 46.8100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

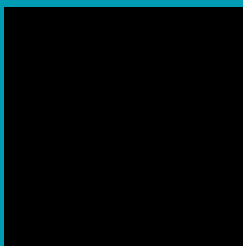
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

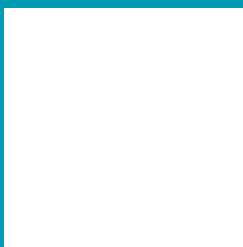
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0252, 27.0316, 46.8100

Background



This preview shows how black text looks on a background with the XYZ color 20.0252, 27.0316, 46.8100.

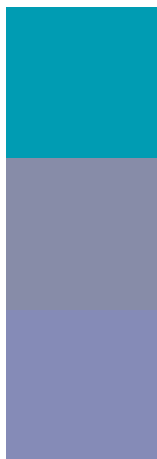


This preview shows how white text looks on a background with the XYZ color 20.0252, 27.0316,

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

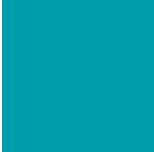
20.0252, 27.0316, 46.8100

Protanopia

26.4376, 26.7342, 40.8126

Deuteranopia

27.4527, 26.8707, 48.5394



Tritanopia

19.3127, 27.0162, 42.2270

Trichromacy



Original Color

20.0252, 27.0316, 46.8100

Protanomaly

21.5630, 25.5148, 42.8181

Deuteranomaly

22.3152, 25.5595, 48.0133

Tritanomaly

19.5998, 27.1311, 43.7390

Monochromacy



Original Color

20.0252, 27.0316, 46.8100

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.7616, 18.5555, 26.0961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0252, 27.0316, 46.8100 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, 156, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 179)  
}
```

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, 156, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 179) }
```

Border

The CSS property to change the border of an element to XYZ 20.0252, 27.0316, 46.8100 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, 156, 179) }
```


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

```
.border{ border-color:rgb(0, 156, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0252, 27.0316, 46.8100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 179) }
```

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

```
.background{ background-color: rgb(0, 156,  
179) }
```

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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