

Converting Colors

XYZ(16.4485, 27.2679, 22.1656)

Have a look what the booklet for
XYZ(16.4485, 27.2679, 22.1656)
contains.

XYZ(16.4485, 27.2679, 22.1656)	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(16.4485, 27.2679,
22.1656)**

Conversions

Conversions Part 1

Format	Color
Hex	0BA278
RGB	11, 162, 120
RGB Percent	4%, 64%, 47%
CMY	0.9568, 0.3647, 0.5294
CMYK	0.93, 0.00, 0.26, 0.36
HSL	163°, 87%, 34%
HSV	163°, 93%, 64%
XYZ	16.4485, 27.2679, 22.1656
YIQ	112.0630, -76.5140, -45.0740

Conversions

Conversions Part 2

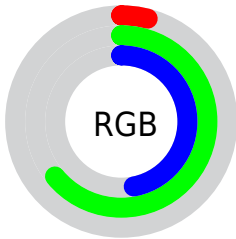
Format	Color
RYB	11, 99, 162
Decimal	762488
CIELab	59.22, -45.60, 12.04
CIElCh	59, 47.160, 165.210
Yxy	27.2679, 0.2497, 0.4139
Android (android.graphics.Color)	4278952568 (0xFF0BA278)
YUV	112.0630, 3.9129, -88.6323
Hunter-Lab	52.2187, -35.1565, 11.3859

Details

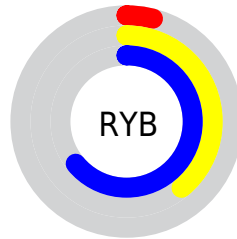
The XYZ color **16.4485, 27.2679, 22.1656** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.6636, 8.1784, 4.1228**, and the grayscale version is **15.4259, 16.2293, 17.6737**.

A 20% lighter version of the original color is **36.9314, 55.3967, 47.7759**, and **6.6060, 11.3922, 7.8120** is the 20% darker color. If you saturate the color by 10%, you get **16.1281, 27.1245, 21.1962**, and if you desaturate by 10%, it is **17.0487, 27.5457, 23.6559**.

Distribution



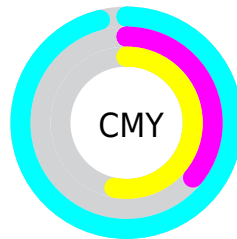
- Red (4%)
- Green (64%)
- Blue (47%)



- Red (4%)
- Yellow (39%)
- Blue (64%)



- Cyan (93%)
- Magenta (0%)
- Yellow (26%)
- Black (36%)



- Cyan (96%)
- Magenta (36%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4485, 27.2679, 22.1656 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 16.4485, 27.2679, 22.1656 by changing the saturation by 10% instead.


 16.4485, 27.2679,
22.1656

 16.4485, 27.2679,
22.1656

225.1926,
288.9519, 276.3915


 9.9349, 17.7745,
13.7792


 36.9263, 55.3135,
47.9252


 5.4178, 10.7882,
7.8302


 51.6212, 74.6344,
66.1355


 2.5317, 5.9246,
3.9003

 69.7740, 98.0001,
88.4575

 0.9113, 2.7993,
1.5708

 91.7499, 125.7948,
115.3097

 0.0000, 1.0279,
0.2699

 117.9144,
158.4029, 147.1106

 0.0000, 0.0000,
0.0000

 148.6327,

196.2089, 184.2789

184.2704,
239.5971, 227.2330

■ 16.4485, 27.2679,
22.1656

■ 16.4485, 27.2679,
22.1656

■ 16.1281, 27.1245,
21.1962

■ 17.0487, 27.5457,
23.6559

■ 17.8979, 27.9495,
25.2254

■ 19.0307, 28.4982,
26.8771

■ 20.4759, 29.2062,
28.6133

■ 22.2584, 30.0867,
30.4359

■ 24.4007, 31.1510,
32.3470

■ 26.9233, 32.4098,
34.3481

■ 29.8450, 33.8727,
36.4411

■ 33.1834, 35.5487,
38.6275

Harmonies

Analogous

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



18.6913, 27.2679, 12.2183



16.4485, 27.2679, 22.1656



16.4643, 27.2679, 39.0237

Triad

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



16.4485, 27.2679, 22.1656



28.9990, 27.2679, 73.1939



34.7292, 27.2679, 12.1258

Complementary

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



16.4485, 27.2679, 22.1656



15.6636, 8.1784, 4.1228

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.



38.4338, 27.2679, 21.9777



16.4485, 27.2679, 22.1656



34.8003, 27.2679, 58.8533

Square

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



16.4485, 27.2679, 22.1656



23.1361, 27.2679, 73.3059



38.4616, 27.2679, 38.7497



28.9129, 27.2679, 8.0942

Rectangle

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



16.4485, 27.2679, 22.1656



17.7318, 27.2679, 52.5533



38.4616, 27.2679, 38.7497



36.2991, 27.2679, 14.6574

Sweetspot

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



16.4492, 27.2690, 22.1662



46.3467, 57.5727, 60.3976



14.4915, 26.6444, 4.6961



10.0000, 12.7265, 13.2315



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.4492, 27.2690, 22.1662



29.1873, 49.2046, 37.9988



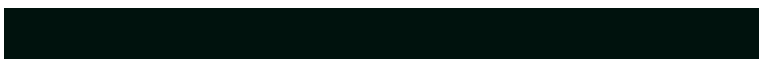
14.5482, 18.4565, 36.9794



7.1917, 7.9775, 8.6211



12.7245, 21.3762, 16.7978



0.2858, 0.4565, 0.4499

Inverse Universe

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



15.6636, 8.1784, 4.1228



27.8368, 14.2596, 5.4059



15.8518, 9.4869, 1.3126



7.1510, 7.1168, 7.7815



12.1292, 6.2077, 2.6052



0.2739, 0.1380, 0.1548

Previews

White Background



This preview shows how the XYZ color 16.4485, 27.2679, 22.1656 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 16.4485, 27.2679, 22.1656 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 16.4485, 27.2679, 22.1656

Background



This preview shows how black text looks on a background with the XYZ color 16.4485, 27.2679, 22.1656.



This preview shows how white text looks on a background with the XYZ color 16.4485, 27.2679,

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

16.4485, 27.2679, 22.1656

Protanopia

25.1018, 26.7549, 18.5930

Deuteranopia

27.2680, 26.6917, 23.4535



Tritanopia

20.4245, 27.3610, 41.2505

Trichromacy



Original Color

16.4485, 27.2679, 22.1656



Protanomaly

19.0402, 25.4191, 19.8224



Deuteranomaly

19.7073, 24.7702, 22.8112



Tritanomaly

18.6121, 27.1002, 33.5280

Monochromacy



Original Color

16.4485, 27.2679, 22.1656



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.9788, 18.6989, 19.0921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4485, 27.2679, 22.1656 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(11, 162, 120)` looks like.

```
.text, #text, p{  
    color:rgb(11, 162, 120)  
}
```

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(11, 162, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 162, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.4485, 27.2679, 22.1656 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(11, 162, 120) }
```


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

```
.border{ border-color:rgb(11, 162, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 162, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 162, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 162, 120);  
box-shadow:4px 4px 4px 4px rgb(11, 162,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4485, 27.2679, 22.1656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 162, 120) }
```

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

```
.background{ background-color: rgb(11, 162,  
120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor