

Converting Colors

XYZ(16.0785, 25.8476, 24.4357)

Have a look what the booklet for
XYZ(16.0785, 25.8476, 24.4357)
contains.

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Color

**XYZ(16.0284, 25.7112,
24.5400)**

Conversions

Conversions Part 1

Format	Color
Hex	069D80
RGB	6, 157, 128
RGB Percent	2%, 62%, 50%
CMY	0.9764, 0.3843, 0.4980
CMYK	0.96, 0.00, 0.18, 0.38
HSL	168°, 93%, 32%
HSV	168°, 96%, 62%
XYZ	16.0284, 25.7112, 24.5400
YIQ	108.5450, -80.6870, -41.0310

Conversions

Conversions Part 2

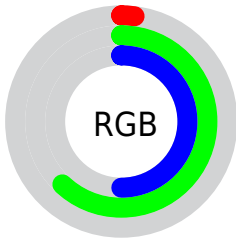
Format	Color
RYB	6, 90, 157
Decimal	433536
CIELab	57.76, -41.70, 5.46
CIElCh	58, 42.055, 172.536
Yxy	25.7112, 0.2418, 0.3879
Android (android.graphics.Color)	4278623616 (0xFF069D80)
YUV	108.5450, 9.5913, -89.9320
Hunter-Lab	50.7062, -32.3114, 6.8001

Details

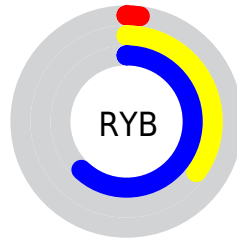
The XYZ color **16.0284, 25.7112, 24.5400** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.2742, 7.4205, 2.2718**, and the grayscale version is **14.3992, 15.1491, 16.4974**.

A 20% lighter version of the original color is **36.1004, 52.5968, 51.9656**, and **6.4629, 10.6677, 9.1156** is the 20% darker color. If you saturate the color by 10%, you get **15.8781, 25.6431, 24.1384**, and if you desaturate by 10%, it is **16.4800, 25.9214, 25.6135**.

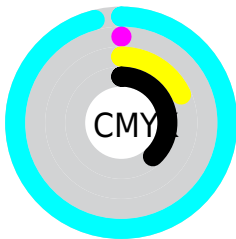
Distribution



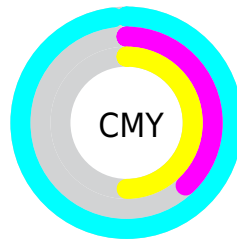
- Red (2%)
- Green (62%)
- Blue (50%)



- Red (2%)
- Yellow (35%)
- Blue (62%)



- Cyan (96%)
- Magenta (0%)
- Yellow (18%)
- Black (38%)





- Cyan (98%)
- Magenta (38%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0284, 25.7112, 24.5400 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 16.0284, 25.7112, 24.5400 by changing the saturation by 10% instead.


 16.0284, 25.7112,
24.5400


 16.0284, 25.7112,
24.5400


222.7763,
281.3615, 288.9133


 9.6352, 16.6077,
15.5188


 36.2045, 52.8087,
51.8648


 5.2182, 9.9552,
9.0336


 50.7182, 71.5714,
71.0055


 2.4119, 5.3693,
4.6660

 68.6695, 94.3228,
94.3564

 0.8510, 2.4655,
1.9974

 90.4236, 121.4470,
122.3361

 0.0000, 0.8593,
0.5537

 116.3460,
153.3287, 155.3630

 0.0000, 0.0000,
0.0000

 146.8020,

190.3520, 193.8559

182.1570,
232.9015, 238.2331

■ 16.0284, 25.7112,
24.5400

■ 16.0284, 25.7112,
24.5400

■ 15.8781, 25.6431,
24.1384

■ 16.4800, 25.9214,
25.6135

■ 17.1409, 26.2381,
26.7273

■ 18.0508, 26.6825,
27.8840

■ 19.2374, 27.2688,
29.0853

■ 20.7244, 28.0094,
30.3325

■ 22.5333, 28.9151,
31.6268

■ 24.6832, 29.9960,
32.9694

■ 27.1921, 31.2611,
34.3613

■ 30.0764, 32.7191,
35.8036

Harmonies

Analogous

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



17.5204, 25.7112, 14.2721



16.0284, 25.7112, 24.5400



16.5305, 25.7112, 40.0453

Triad

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



16.0284, 25.7112, 24.5400



28.3460, 25.7112, 62.2799



30.8237, 25.7112, 11.2308

Complementary

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



16.0284, 25.7112, 24.5400



14.2742, 7.4205, 2.2718

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.



34.5335, 25.7112, 18.6430



16.0284, 25.7112, 24.5400



32.9713, 25.7112, 48.5142

Square

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



16.0284, 25.7112, 24.5400



23.1995, 25.7112, 65.5484



35.3692, 25.7112, 31.7602



25.7193, 25.7112, 8.5000

Rectangle

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



16.0284, 25.7112, 24.5400



17.9659, 25.7112, 51.2812



35.3692, 25.7112, 31.7602



32.3024, 25.7112, 13.1041

Sweetspot

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



16.0291, 25.7122, 24.5406



42.8268, 53.0250, 58.2172



12.8255, 24.5070, 4.2272



9.0905, 11.5003, 12.6011



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.0291, 25.7122, 24.5406



28.3675, 45.8956, 42.8726



11.9234, 13.9972, 33.9727



6.7672, 7.4876, 8.2086



12.9083, 20.8313, 19.6721



0.2437, 0.3776, 0.4196

Inverse Universe

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



14.2742, 7.4205, 2.2718



25.2711, 12.9851, 3.1100



15.1357, 9.5768, 1.2236



6.6825, 6.6659, 7.1794



11.4959, 5.9029, 1.5966



0.2180, 0.1105, 0.0942

Previews

White Background



This preview shows how the XYZ color 16.0284, 25.7112, 24.5400 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 16.0284, 25.7112, 24.5400 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 16.0284, 25.7112, 24.5400

Background



This preview shows how black text looks on a background with the XYZ color 16.0284, 25.7112, 24.5400.

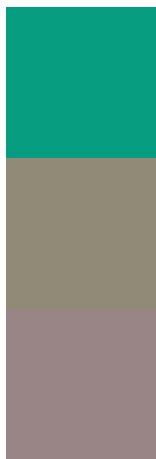


This preview shows how white text looks on a background with the XYZ color 16.0284, 25.7112,

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

16.0284, 25.7112, 24.5400

Protanopia

24.0355, 25.5047, 20.7956

Deuteranopia

25.7580, 25.2408, 25.7047



Tritanopia

19.1014, 25.7411, 39.0837

Trichromacy



Original Color

16.0284, 25.7112, 24.5400



Protanomaly

18.2543, 24.0356, 22.0896



Deuteranomaly

19.0253, 23.6940, 25.0434



Tritanomaly

17.7372, 25.6526, 33.2948

Monochromacy



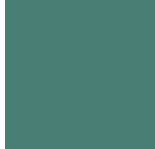
Original Color

16.0284, 25.7112, 24.5400



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

13.2857, 17.5604, 19.2123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0284, 25.7112, 24.5400 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(6, 157, 128)` looks like.

```
.text, #text, p{  
    color:rgb(6, 157, 128)  
}
```

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(6, 157, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 157, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.0284, 25.7112, 24.5400 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(6, 157, 128) }
```


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

```
.border{ border-color:rgb(6, 157, 128) }
```

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

Here you see how a box with a 4 pixel rgb(6, 157, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 157, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 157, 128);  
box-shadow:4px 4px 4px 4px rgb(6, 157,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0284, 25.7112, 24.5400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 157, 128) }
```

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

```
.background{ background-color: rgb(6, 157,  
128) }
```

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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