

Converting Colors

XYZ(16.4976, 25.7614, 21.8722)

Have a look what the booklet for
XYZ(16.4976, 25.7614, 21.8722)
contains.

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Color

**XYZ(16.4976, 25.7614,
21.8722)**

Conversions

Conversions Part 1

Format	Color
Hex	309C78
RGB	48, 156, 120
RGB Percent	19%, 61%, 47%
CMY	0.8117, 0.3882, 0.5294
CMYK	0.69, 0.00, 0.23, 0.39
HSL	160°, 53%, 40%
HSV	160°, 69%, 61%
XYZ	16.4976, 25.7614, 21.8722
YIQ	119.6040, -52.8120, -34.0920

Conversions

Conversions Part 2

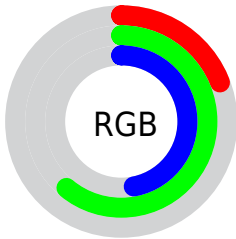
Format	Color
RYB	48, 113, 156
Decimal	3185784
CIELab	57.81, -39.24, 10.13
CIElCh	58, 40.522, 165.528
Yxy	25.7614, 0.2572, 0.4017
Android (android.graphics.Color)	4281375864 (0xFF309C78)
YUV	119.6040, 0.1952, -62.7967
Hunter-Lab	50.7557, -30.8029, 9.9791

Details

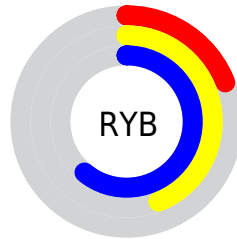
The XYZ color **16.4976, 25.7614, 21.8722** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.3684, 9.8227, 9.4220**, and the grayscale version is **17.7385, 18.6623, 20.3232**.

A 20% lighter version of the original color is **36.9250, 52.7552, 47.2664**, and **6.0876, 10.3556, 7.6392** is the 20% darker color. If you saturate the color by 10%, you get **15.5803, 25.3246, 20.2266**, and if you desaturate by 10%, it is **17.6922, 26.3404, 23.6214**.

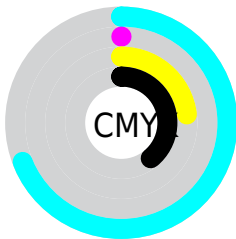
Distribution



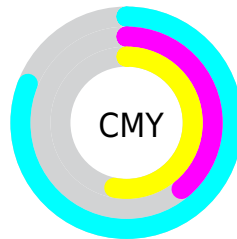
- Red (19%)
- Green (61%)
- Blue (47%)



- Red (19%)
- Yellow (44%)
- Blue (61%)



- Cyan (69%)
- Magenta (0%)
- Yellow (23%)
- Black (39%)



- Cyan (81%)
- Magenta (39%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4976, 25.7614, 21.8722 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 16.4976, 25.7614, 21.8722 by changing the saturation by 10% instead.

■ 16.4976, 25.7614,
21.8722

■ 16.4976, 25.7614,
21.8722

225.4734,
281.6088, 274.8098

■ 9.9700, 16.6452,
13.5656

■ 37.0104, 52.8898,
47.4342

■ 5.4412, 9.9819,
7.6839

■ 51.7264, 71.6708,
65.5266

■ 2.5458, 5.3869,
3.8085

■ 69.9026, 94.4422,
87.7181

■ 0.9184, 2.4760,
1.5209

■ 91.9043, 121.5883,
114.4271

■ 0.0000, 0.8646,
0.2334

■ 118.0968,
153.4937, 146.0723

■ 0.0000, 0.0000,
0.0000

148.8457,

190.5426, 183.0721

184.5161,
233.1196, 225.8451

■ 16.4976, 25.7614,
21.8722

■ 16.4976, 25.7614,
21.8722

■ 15.5803, 25.3246,
20.2266

■ 17.6922, 26.3404,
23.6214

■ 14.9094, 25.0123,
18.6801

■ 19.1868, 27.0714,
25.4749

■ 14.4231, 24.7932,
17.2289

■ 21.0038, 27.9666,
27.4358

■ 14.3875, 24.7773,
17.1206

■ 23.1630, 29.0361,
29.5062

■ 25.6825, 30.2893,
31.6883

■ 28.5793, 31.7348,
33.9841

■ 31.8689, 33.3807,
36.3956

■ 35.5663, 35.2346,
38.9247

■ 39.6854, 37.3038,
41.5734

Harmonies

Analogous

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



18.3975, 25.7614, 13.1543



16.4976, 25.7614, 21.8722



16.5319, 25.7614, 35.8518

Triad

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



16.4976, 25.7614, 21.8722



27.0765, 25.7614, 62.5974



31.6422, 25.7614, 12.9447

Complementary

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



16.4976, 25.7614, 21.8722



16.3684, 9.8227, 9.4220

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.



34.6515, 25.7614, 21.4707



16.4976, 25.7614, 21.8722



31.7870, 25.7614, 51.3201

Square

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



16.4976, 25.7614, 21.8722



22.2209, 25.7614, 62.8158



34.7078, 25.7614, 35.2931



26.8988, 25.7614, 9.2822

Rectangle

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



16.4976, 25.7614, 21.8722



17.6332, 25.7614, 46.6791



34.7078, 25.7614, 35.2931



32.9162, 25.7614, 15.1827

Sweetspot

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



16.4983, 25.7624, 21.8728



45.5867, 54.4849, 56.6684



16.2422, 25.9604, 6.9516



9.7697, 11.8590, 12.2464



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.



16.4983, 25.7624, 21.8728



27.5855, 45.6616, 35.1930



16.5694, 21.7275, 34.7742



6.7278, 7.4719, 8.0010



11.8670, 20.4147, 14.1885



0.2310, 0.3725, 0.3526

Inverse Universe

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



16.3684, 9.8227, 9.4220



27.3871, 14.7781, 11.3344



16.0894, 10.9715, 4.0665



6.7197, 6.6808, 7.3752



11.8184, 6.0319, 3.2949



0.2299, 0.1153, 0.1566

Previews

White Background



This preview shows how the XYZ color 16.4976, 25.7614, 21.8722 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 16.4976, 25.7614, 21.8722 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 16.4976, 25.7614, 21.8722

Background



This preview shows how black text looks on a background with the XYZ color 16.4976, 25.7614, 21.8722.



This preview shows how white text looks on a background with the XYZ color 16.4976, 25.7614,

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

16.4976, 25.7614, 21.8722

Protanopia

23.8118, 25.4356, 18.6935

Deuteranopia

25.7995, 25.3236, 22.9302



Tritanopia

19.7640, 25.6153, 38.5529

Trichromacy



Original Color

16.4976, 25.7614, 21.8722

Protanomaly

19.5931, 24.7807, 19.6701

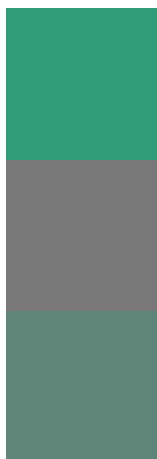
Deuteranomaly

20.4361, 24.2617, 22.3448

Tritanomaly

18.2983, 25.4929, 31.5600

Monochromacy



Original Color

16.4976, 25.7614, 21.8722

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.3938, 20.5108, 20.8642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4976, 25.7614, 21.8722 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(48, 156, 120)` looks like.

```
.text, #text, p{  
    color:rgb(48, 156, 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(48, 156, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 156, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.4976, 25.7614, 21.8722 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(48, 156, 120) }
```


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

```
.border{ border-color:rgb(48, 156, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 156, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 156, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 156, 120);  
box-shadow:4px 4px 4px 4px rgb(48, 156,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4976, 25.7614, 21.8722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 156, 120) }
```

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

```
.background{ background-color: rgb(48, 156,  
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](#).

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