

Converting Colors

XYZ(19.9386, 25.2692, 16.9077)

Have a look what the booklet for
XYZ(19.9386, 25.2692, 16.9077)
contains.

XYZ(19.9800, 25.2702, 16.9213)	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(19.9800, 25.2702,
16.9213)**

Conversions

Conversions Part 1

Format	Color
Hex	749268
RGB	116, 146, 104
RGB Percent	45%, 57%, 41%
CMY	0.5451, 0.4274, 0.5922
CMYK	0.21, 0.00, 0.29, 0.43
HSL	103°, 17%, 49%
HSV	103°, 29%, 57%
XYZ	19.9800, 25.2702, 16.9213
YIQ	132.2420, -4.3980, -19.4220

Conversions

Conversions Part 2

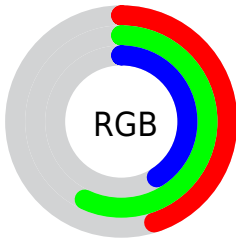
Format	Color
RYB	104, 146, 134
Decimal	7639656
CIELab	57.34, -18.81, 18.92
CIELCh	57, 26.680, 134.846
Yxy	25.2702, 0.3214, 0.4065
Android (android.graphics.Color)	4285829736 (0xFF749268)
YUV	132.2420, -13.9233, -14.2442
Hunter-Lab	50.2695, -17.0253, 15.2309

Details

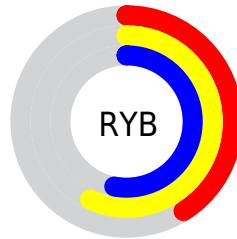
The XYZ color **19.9800, 25.2702, 16.9213** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.9712, 17.0450, 29.4328**, and the grayscale version is **22.0698, 23.2192, 25.2857**.

A 20% lighter version of the original color is **42.9329, 52.1101, 38.8058**, and **7.1208, 9.6632, 5.2313** is the 20% darker color. If you saturate the color by 10%, you get **17.9925, 24.3247, 13.2866**, and if you desaturate by 10%, it is **22.2530, 26.3495, 21.2407**.

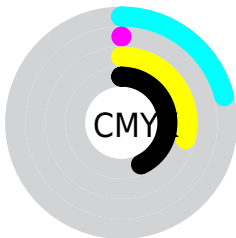
Distribution



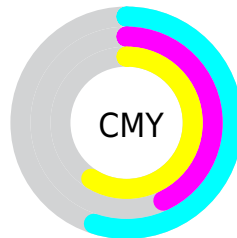
- Red (45%)
- Green (57%)
- Blue (41%)



- Red (41%)
- Yellow (57%)
- Blue (53%)



- Cyan (21%)
- Magenta (0%)
- Yellow (29%)
- Black (43%)



- Cyan (55%)
- Magenta (43%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9800, 25.2702, 16.9213 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 19.9800, 25.2702, 16.9213 by changing the saturation by 10% instead.

■ 19.9800, 25.2702,
16.9213

■ 19.9800, 25.2702,
16.9213

244.6425,
279.1809, 246.7470

■ 12.4887, 16.2785,
10.0170

■ 42.8878, 52.0952,
38.9792

■ 7.1520, 9.7214,
5.3045

■ 59.0351, 70.6973,
54.9699

■ 3.6045, 5.2146,
2.3652

■ 78.7984, 93.2717,
74.8265

■ 1.4809, 2.3737,
0.7674

■ 102.5430,
120.2026, 98.9676

■ 0.3128, 0.8123,
0.0000

130.6344,
151.8747, 127.8116

■ 0.0000, 0.0000,
0.0000

163.4378,

188.6721, 161.7772

201.3187,
230.9794, 201.2828

■ 19.9800, 25.2702,
16.9213

■ 19.9800, 25.2702,
16.9213

■ 17.9925, 24.3247,
13.2866

■ 22.2530, 26.3495,
21.2407

■ 16.2766, 23.5045,
10.2999

■ 24.8204, 27.5643,
26.2758

■ 14.8206, 22.8050,
7.9235

■ 27.6935, 28.9204,
32.0576

■ 13.6106, 22.2200,
6.1152

■ 30.8819, 30.4222,
38.6149

■ 12.6315, 21.7428,
4.8273

■ 34.3953, 32.0742,
45.9747

■ 11.8665, 21.3658,
4.0046

■ 38.2426, 33.8803,
54.1630

■ 11.2853, 21.0762,
3.5250

■ 42.4324, 35.8444,
63.2046

■ 11.2224, 21.0449,
3.4706

■ 46.9732, 37.9705,
73.1231

■ 51.8730, 40.2621,
83.9412

Harmonies

Analogous

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



22.4938, 25.2702, 13.8795



19.9800, 25.2702, 16.9213



18.6137, 25.2702, 23.2083

Triad

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



19.9800, 25.2702, 16.9213



22.4636, 25.2702, 47.9830



30.3898, 25.2702, 23.2892

Complementary

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



19.9800, 25.2702, 16.9213



19.9712, 17.0450, 29.4328

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.



30.3799, 25.2702, 32.3239



19.9800, 25.2702, 16.9213



25.6107, 25.2702, 48.0181

Square

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



19.9800, 25.2702, 16.9213



19.9595, 25.2702, 41.7160



28.5677, 25.2702, 41.8035



28.5936, 25.2702, 16.9693

Rectangle

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



19.9800, 25.2702, 16.9213



18.4540, 25.2702, 29.0127



28.5677, 25.2702, 41.8035



30.6024, 25.2702, 26.0697

Sweetspot

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



19.9807, 25.2713, 16.9219



43.5857, 48.5305, 45.9575



22.7962, 23.9963, 16.5274



9.5576, 10.7306, 9.9491



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.9807, 25.2713, 16.9219



32.7603, 43.3963, 25.2755



18.9355, 24.6807, 19.2126



5.8760, 6.5439, 6.1939



9.8950, 18.5289, 3.0549



0.1472, 0.2402, 0.0386

Inverse Universe

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



19.9712, 17.0450, 29.4328



32.7344, 26.2690, 51.3187



21.3638, 17.8357, 26.2109



5.8755, 5.8268, 7.2848



9.6419, 4.4432, 24.2805



0.1471, 0.0694, 0.2985

Previews

White Background



This preview shows how the XYZ color 19.9800, 25.2702, 16.9213 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 19.9800, 25.2702, 16.9213 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 19.9800, 25.2702, 16.9213

Background



This preview shows how black text looks on a background with the XYZ color 19.9800, 25.2702, 16.9213.



This preview shows how white text looks on a background with the XYZ color 19.9800, 25.2702,

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

19.9800, 25.2702, 16.9213

Protanopia

23.4587, 25.1073, 15.6664

Deuteranopia

25.6030, 25.1411, 17.4132



Tritanopia

23.2762, 25.2756, 32.9301

Trichromacy



Original Color

19.9800, 25.2702, 16.9213

Protanomaly

21.8804, 24.9300, 15.9707

Deuteranomaly

23.2242, 24.9517, 17.2278

Tritanomaly

21.8612, 25.1322, 26.2530

Monochromacy



Original Color

19.9800, 25.2702, 16.9213

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.0627, 23.7321, 21.8830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9800, 25.2702, 16.9213 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(116, 146, 104)` looks like.

```
.text, #text, p{  
    color:rgb(116, 146, 104)  
}
```

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(116, 146, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 146, 104) }
```

Border

The CSS property to change the border of an element to XYZ 19.9800, 25.2702, 16.9213 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(116, 146, 104) }
```


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

```
.border{ border-color:rgb(116, 146, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 146, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 146, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 146, 104);  
box-shadow:4px 4px 4px 4px rgb(116, 146,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9800, 25.2702, 16.9213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 146, 104) }
```

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

```
.background{ background-color: rgb(116,  
146, 104) }
```

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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