

Converting Colors

XYZ(19.1539, 24.5220, 22.4796)

Have a look what the booklet for
XYZ(19.1539, 24.5220, 22.4796)
contains.

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Color

**XYZ(19.1800, 24.5056,
22.4581)**

Conversions

Conversions Part 1

Format	Color
Hex	66917B
RGB	102, 145, 123
RGB Percent	40%, 57%, 48%
CMY	0.6000, 0.4314, 0.5176
CMYK	0.30, 0.00, 0.15, 0.43
HSL	149°, 17%, 48%
HSV	149°, 30%, 57%
XYZ	19.1800, 24.5056, 22.4581
YIQ	129.6350, -18.5660, -15.9580

Conversions

Conversions Part 2

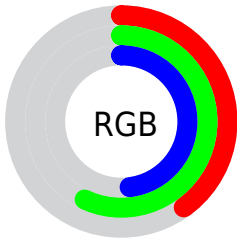
Format	Color
RYB	102, 131, 145
Decimal	6721915
CIELab	56.59, -19.62, 6.99
CIELCh	57, 20.824, 160.393
Yxy	24.5056, 0.2900, 0.3705
Android (android.graphics.Color)	4284911995 (0xFF66917B)
YUV	129.6350, -3.2711, -24.2359
Hunter-Lab	49.5031, -17.4706, 7.7541

Details

The XYZ color **19.1800, 24.5056, 22.4581** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.0673, 16.9782, 21.2891**, and the grayscale version is **21.1056, 22.2047, 24.1810**.

A 20% lighter version of the original color is **41.4877, 50.8120, 48.1785**, and **6.7069, 9.2567, 7.9118** is the 20% darker color. If you saturate the color by 10%, you get **17.2314, 23.5534, 20.0340**, and if you desaturate by 10%, it is **21.4527, 25.6221, 25.0822**.

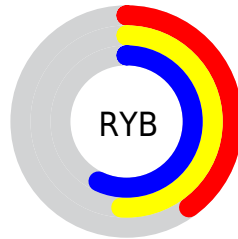
Distribution



Red (40%)

Green (57%)

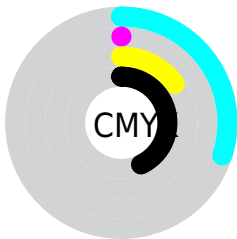
Blue (48%)



Red (40%)

Yellow (51%)

Blue (57%)

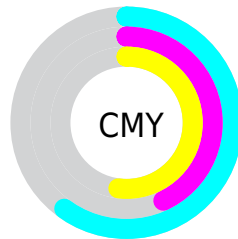


Cyan (30%)

Magenta (0%)

Yellow (15%)

Black (43%)



Cyan (60%)

Magenta (43%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1800, 24.5056, 22.4581 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 19.1800, 24.5056, 22.4581 by changing the saturation by 10% instead.

■ 19.1800, 24.5056,
22.4581

■ 19.1800, 24.5056,
22.4581

240.3597,
275.3668, 277.9605

■ 11.9052, 15.7091,
13.9924

■ 41.5526, 50.8540,
48.4138

■ 6.7509, 9.3185,
7.9767

■ 57.3810, 69.1747,
66.7409

■ 3.3517, 4.9495,
3.9925

■ 76.7914, 91.4390,
89.1922

■ 1.3424, 2.2177,
1.6212

■ 100.1491,
118.0311, 116.1862

■ 0.2146, 0.7296,
0.3059

127.8194,
149.3356, 148.1415

■ 0.0000, 0.0000,
0.0000

160.1677,

185.7367, 185.4766

197.5594,
227.6190, 228.6101

■ 19.1800, 24.5056,
22.4581

■ 19.1800, 24.5056,
22.4581

■ 17.2314, 23.5534,
20.0340

■ 21.4527, 25.6221,
25.0822

■ 15.5890, 22.7544,
17.8034

■ 24.0620, 26.9074,
27.9092

■ 14.2364, 22.1009,
15.7619

■ 27.0223, 28.3694,
30.9442

■ 13.1548, 21.5832,
13.9043

■ 30.3466, 30.0147,
34.1913

■ 12.3227, 21.1906,
12.2251

■ 34.0471, 31.8496,
37.6549

■ 11.7155, 20.9103,
10.7184

■ 38.1355, 33.8800,
41.3389

■ 11.2716, 20.7107,
9.3763

■ 42.6230, 36.1115,
45.2472

■ 11.2572, 20.7042,
9.3329

■ 47.5203, 38.5496,
49.3836

■ 52.8376, 41.1996,
53.7520

Harmonies

Analogous

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



20.4064, 24.5056, 17.7700



19.1800, 24.5056, 22.4581



19.0106, 24.5056, 29.1579

Triad

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



19.1800, 24.5056, 22.4581



24.1409, 24.5056, 42.0431



27.0162, 24.5056, 18.9489

Complementary

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



19.1800, 24.5056, 22.4581



20.0673, 16.9782, 21.2891

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.



28.1719, 24.5056, 24.3512



19.1800, 24.5056, 22.4581



26.4372, 24.5056, 38.1656

Square

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



19.1800, 24.5056, 22.4581



21.7659, 24.5056, 41.2977



27.9530, 24.5056, 31.4058



24.8875, 24.5056, 16.0000

Rectangle

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



19.1800, 24.5056, 22.4581



19.5064, 24.5056, 34.0037



27.9530, 24.5056, 31.4058



27.5378, 24.5056, 20.4956

Sweetspot

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



19.1807, 24.5066, 22.4587



43.3237, 48.3007, 50.2253



20.8680, 25.5124, 16.3951



9.4924, 10.6732, 11.0198



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.



19.1807, 24.5066, 22.4587



31.8138, 42.6457, 37.1017



20.6614, 25.0989, 30.2560



5.4457, 6.0705, 6.3131



9.6683, 17.7632, 8.0736



0.1035, 0.1743, 0.1355

Inverse Universe

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



20.0673, 16.9782, 21.2891



33.6817, 26.7831, 34.6364



18.8631, 16.4965, 14.9477



5.5168, 5.4672, 6.2195



11.0946, 5.5949, 6.1496



0.1172, 0.0579, 0.1174

Previews

White Background



This preview shows how the XYZ color 19.1800, 24.5056, 22.4581 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 19.1800, 24.5056, 22.4581 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 19.1800, 24.5056, 22.4581

Background



This preview shows how black text looks on a background with the XYZ color 19.1800, 24.5056, 22.4581.



This preview shows how white text looks on a background with the XYZ color 19.1800, 24.5056,

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

19.1800, 24.5056, 22.4581

Protanopia

23.0893, 24.3867, 20.6297

Deuteranopia

24.8311, 24.4144, 23.1424



Tritanopia

21.3767, 24.5049, 33.3090

Trichromacy



Original Color

19.1800, 24.5056, 22.4581

Protanomaly

21.3752, 24.3333, 21.3395

Deuteranomaly

22.3373, 24.1573, 22.8876

Tritanomaly

20.4246, 24.3333, 28.8196

Monochromacy



Original Color

19.1800, 24.5056, 22.4581

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.2405, 22.8533, 23.4230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1800, 24.5056, 22.4581 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(102, 145, 123)` looks like.

```
.text, #text, p{  
    color:rgb(102, 145, 123)  
}
```

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(102, 145, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 145, 123) }
```

Border

The CSS property to change the border of an element to XYZ 19.1800, 24.5056, 22.4581 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(102, 145, 123) }
```


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

```
.border{ border-color:rgb(102, 145, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 145, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 145, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 145, 123);  
box-shadow:4px 4px 4px 4px rgb(102, 145,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1800, 24.5056, 22.4581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 145, 123) }
```

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

```
.background{ background-color: rgb(102,  
145, 123) }
```

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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