

Converting Colors

XYZ(18.4180, 19.4675, 23.4874)

Have a look what the booklet for
XYZ(18.4180, 19.4675, 23.4874)
contains.

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Color

**XYZ(18.5166, 19.6024,
23.5766)**

Conversions

Conversions Part 1

Format	Color
Hex	767B81
RGB	118, 123, 129
RGB Percent	46%, 48%, 51%
CMY	0.5373, 0.5176, 0.4941
CMYK	0.09, 0.05, 0.00, 0.49
HSL	213°, 4%, 48%
HSV	213°, 9%, 51%
XYZ	18.5166, 19.6024, 23.5766
YIQ	122.1890, -4.9060, 0.8060

Conversions

Conversions Part 2

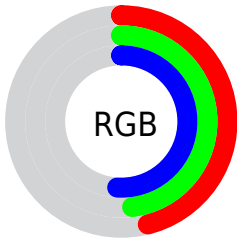
Format	Color
R_{YB}	118, 121, 129
Decimal	7764865
CIE Lab	51.38, -0.60, -3.92
CIE LCh	51, 3.963, 261.318
Yxy	19.6024, 0.3001, 0.3177
Android (android.graphics.Color)	4285954945 (0xFF767B81)
YUV	122.1890, 3.3578, -3.6738
Hunter-Lab	44.2746, -2.8280, -0.5802

Details

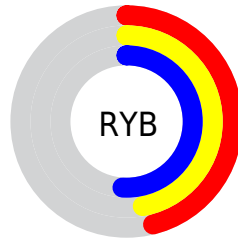
The XYZ color **18.5166, 19.6024, 23.5766** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.5310, 20.3904, 20.0462**, and the grayscale version is **18.5514, 19.5175, 21.2545**.

A 20% lighter version of the original color is **40.3510, 42.5834, 50.3487**, and **6.4225, 6.7788, 8.5594** is the 20% darker color. If you saturate the color by 10%, you get **16.0418, 17.0779, 23.2201**, and if you desaturate by 10%, it is **21.2949, 22.3776, 23.9661**.

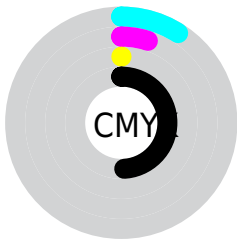
Distribution



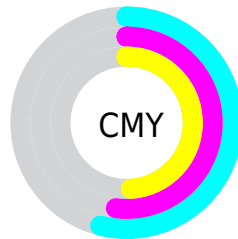
- Red (46%)
- Green (48%)
- Blue (51%)



- Red (46%)
- Yellow (47%)
- Blue (51%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)
- Black (49%)



- Cyan (54%)
- Magenta (52%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5166, 19.6024, 23.5766 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 18.5166, 19.6024, 23.5766 by changing the saturation by 10% instead.

■ 18.5166, 19.6024,
23.5766

■ 18.5166, 19.6024,
23.5766

236.7566,
249.7545, 283.8902

■ 11.4234, 12.1064,
14.8106

■ 40.4389, 42.7496,
50.2735

■ 6.4218, 6.8162,
8.5414

■ 55.9987, 59.1695,
69.0415

■ 3.1463, 3.3474,
4.3506

■ 75.1114, 79.3328,
91.9805

■ 1.2316, 1.3157,
1.8196

98.1425, 103.6239,
119.5091

■ 0.1311, 0.1533,
0.4408

125.4572,
132.4273, 152.0458

■ 0.0000, 0.0000,
0.0000

157.4209,

166.1272, 190.0092

194.3989,
205.1082, 233.8178

■ 18.5166, 19.6024,
23.5766

■ 18.5166, 19.6024,
23.5766

■ 16.0418, 17.0779,
23.2201

■ 21.2949, 22.3776,
23.9661

■ 13.8578, 14.7939,
22.8943

■ 24.3853, 25.4081,
24.3882

■ 11.9535, 12.7432,
22.5989

■ 27.7983, 28.7017,
24.8441

■ 10.3164, 10.9174,
22.3327

■ 31.5433, 32.2651,
25.3345

■ 8.9330, 9.3072,
22.0948

■ 35.6293, 36.1047,
25.8602

■ 7.7884, 7.9029,
21.8841

■ 40.0650, 40.2265,
26.4220

■ 6.8662, 6.6935,
21.6993

■ 44.8588, 44.6365,
27.0206

■ 6.1473, 5.6669,
21.5390

■ 50.0187, 49.3406,
27.6566

■ 5.5861, 4.7969,
21.4007

■ 55.5525, 54.3443,
28.3308

Harmonies

Analogous

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



18.1589, 19.6024, 23.0946



18.5166, 19.6024, 23.5766



18.9101, 19.6024, 23.4439

Triad

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



18.5166, 19.6024, 23.5766



19.3511, 19.6024, 20.5594



18.0424, 19.6024, 20.0074

Complementary

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



18.5166, 19.6024, 23.5766



19.5310, 20.3904, 20.0462

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.



18.3556, 19.6024, 19.3728



18.5166, 19.6024, 23.5766



19.1123, 19.6024, 19.6836

Square

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



18.5166, 19.6024, 23.5766



19.3957, 19.6024, 21.6751



18.7469, 19.6024, 19.2564



17.8877, 19.6024, 21.0157

Rectangle

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



18.5166, 19.6024, 23.5766



19.1396, 19.6024, 23.0266



18.7469, 19.6024, 19.2564



18.1325, 19.6024, 19.7448

Sweetspot

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



18.5172, 19.6032, 23.5770



35.8056, 37.7593, 42.5936



18.9515, 21.0043, 22.0803



8.0220, 8.4644, 9.6293



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.5172, 19.6032, 23.5770



32.3650, 34.3012, 42.1075



17.9623, 18.4195, 23.3778



4.2574, 4.5087, 5.4592



5.3752, 4.5689, 20.8485



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.1073, 19.0545, 21.4106



33.6235, 33.1501, 37.4832



20.1183, 21.6473, 20.2579



4.4027, 4.3742, 4.9253



9.5901, 4.8557, 4.4314



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.5166, 19.6024, 23.5766 looks on a white background.

Color Contrast Check

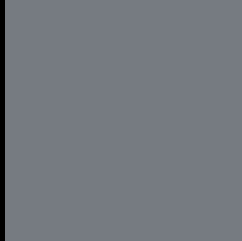
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5166, 19.6024, 23.5766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

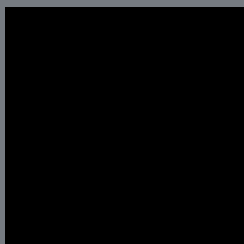
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

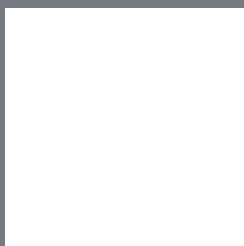
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5166, 19.6024, 23.5766

Background



This preview shows how black text looks on a background with the XYZ color 18.5166, 19.6024, 23.5766.



This preview shows how white text looks on a background with the XYZ color 18.5166, 19.6024,

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

18.5166, 19.6024, 23.5766

Protanopia

19.0242, 19.6885, 23.2197

Deuteranopia

19.9862, 19.6307, 23.8548



Tritanopia

18.7321, 19.5069, 24.6077

Trichromacy



Original Color

18.5166, 19.6024, 23.5766

Protanomaly

18.7410, 19.5425, 23.2064

Deuteranomaly

19.3499, 19.4803, 23.8593

Tritanomaly

18.6640, 19.4797, 24.2490

Monochromacy



Original Color

18.5166, 19.6024, 23.5766

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.5464, 19.4647, 22.1816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5166, 19.6024, 23.5766 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(118, 123, 129)` looks like.

```
.text, #text, p{  
    color:rgb(118, 123, 129)  
}
```

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(118, 123, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 123, 129) }
```

Border

The CSS property to change the border of an element to XYZ 18.5166, 19.6024, 23.5766 is called "border". The border property can be set on classes, ids or directly on the HTML element.

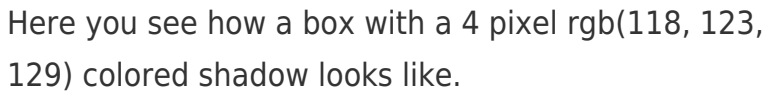
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 123, 129) }
```


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

```
.border{ border-color:rgb(118, 123, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 123, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 123, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 123, 129); box-shadow:4px 4px 4px 4px rgb(118, 123, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5166, 19.6024, 23.5766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 123, 129) }
```

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

```
.background{ background-color: rgb(118,  
123, 129) }
```

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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