

Converting Colors

XYZ(18.4887, 20.4550, 21.0933)

Have a look what the booklet for
XYZ(18.4887, 20.4550, 21.0933)
contains.

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Color

**XYZ(18.5118, 20.4108,
21.0532)**

Conversions

Conversions Part 1

Format	Color
Hex	767F79
RGB	118, 127, 121
RGB Percent	46%, 50%, 47%
CMY	0.5373, 0.5019, 0.5255
CMYK	0.07, 0.00, 0.05, 0.50
HSL	140°, 4%, 48%
HSV	140°, 7%, 50%
XYZ	18.5118, 20.4108, 21.0532
YIQ	123.6250, -3.4380, -3.7740

Conversions

Conversions Part 2

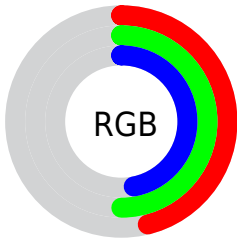
Format	Color
R_{YB}	118, 125, 127
Decimal	7765881
CIE Lab	52.30, -4.56, 2.11
CIE LCh	52, 5.025, 155.231
Yxy	20.4108, 0.3087, 0.3403
Android (android.graphics.Color)	4285955961 (0xFF767F79)
YUV	123.6250, -1.2941, -4.9331
Hunter-Lab	45.1783, -5.9217, 3.9955

Details

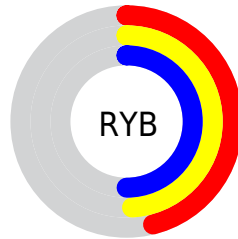
The XYZ color **18.5118, 20.4108, 21.0532** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.8697, 18.9247, 21.7281**, and the grayscale version is **19.0390, 20.0305, 21.8132**.

A 20% lighter version of the original color is **40.4416, 44.2057, 45.9362**, and **6.4528, 7.2319, 7.3591** is the 20% darker color. If you saturate the color by 10%, you get **16.4053, 19.3828, 18.3620**, and if you desaturate by 10%, it is **20.8973, 21.5785, 23.9963**.

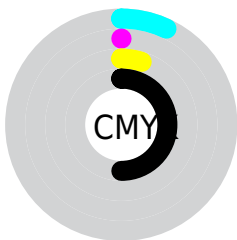
Distribution



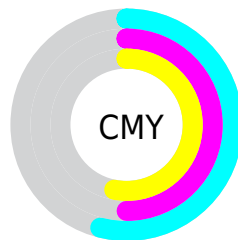
- Red (46%)
- Green (50%)
- Blue (47%)



- Red (46%)
- Yellow (49%)
- Blue (50%)



- Cyan (7%)
- Magenta (0%)
- Yellow (5%)
- Black (50%)



- Cyan (54%)
- Magenta (50%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5118, 20.4108, 21.0532 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 18.5118, 20.4108, 21.0532 by changing the saturation by 10% instead.

■ 18.5118, 20.4108,
21.0532

■ 18.5118, 20.4108,
21.0532

236.7304,
254.1304, 270.3514

■ 11.4200, 12.6940,
12.9713

■ 40.4308, 44.1049,
46.0580

■ 6.4194, 7.2182,
7.2783

■ 55.9887, 60.8509,
63.8179

■ 3.1448, 3.5989,
3.5557

■ 75.0992, 81.3755,
85.6410

■ 1.2308, 1.4518,
1.3849

98.1279, 106.0630,
111.9457

■ 0.1305, 0.2545,
0.1299

125.4400,
135.2979, 143.1505

■ 0.0000, 0.0000,
0.0000

157.4009,

169.4645, 179.6740

194.3759,
208.9472, 221.9348

■ 18.5118, 20.4108,
21.0532

■ 18.5118, 20.4108,
21.0532

■ 16.4053, 19.3828,
18.3620

■ 20.8973, 21.5785,
23.9963

■ 14.5657, 18.4867,
15.9148

■ 23.5700, 22.8882,
27.1962

■ 12.9825, 17.7178,
13.7052

■ 26.5396, 24.3456,
30.6596

■ 11.6439, 17.0702,
11.7259

■ 29.8152, 25.9550,
34.3923

■ 10.5371, 16.5373,
9.9696

■ 33.4052, 27.7207,
38.4000

■ 9.6481, 16.1122,
8.4281

■ 37.3179, 29.6469,
42.6883

■ 8.9613, 15.7870,
7.0932

■ 41.5611, 31.7375,
47.2624

■ 8.4589, 15.5527,
5.9557

■ 46.1425, 33.9963,
52.1277

■ 8.1057, 15.3913,
5.0053

■ 51.0693, 36.4271,
57.2892

Harmonies

Analogous

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



18.8324, 20.4108, 19.9802



18.5118, 20.4108, 21.0532



18.4274, 20.4108, 22.4843

Triad

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



18.5118, 20.4108, 21.0532



19.4906, 20.4108, 25.1790



20.2226, 20.4108, 20.6228

Complementary

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



18.5118, 20.4108, 21.0532



18.8697, 18.9247, 21.7281

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.



20.4060, 20.4108, 21.9655



18.5118, 20.4108, 21.0532



19.9785, 20.4108, 24.6296

Square

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



18.5118, 20.4108, 21.0532



18.9867, 20.4108, 24.9084



20.3159, 20.4108, 23.4372



19.8190, 20.4108, 19.7395

Rectangle

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



18.5118, 20.4108, 21.0532



18.5151, 20.4108, 23.4588



20.3159, 20.4108, 23.4372



20.3124, 20.4108, 21.0331

Sweetspot

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



18.5124, 20.4117, 21.0536



35.2390, 37.5724, 40.2993



19.1941, 20.7840, 20.1399



8.2648, 8.8038, 9.4530



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.



18.5124, 20.4117, 21.0536



32.3064, 36.1386, 36.6383



18.7854, 20.5209, 22.4912



4.3306, 4.8406, 4.9120



8.0809, 15.4789, 4.7987



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.8697, 18.9247, 21.7281



33.1267, 32.7247, 38.1864



18.6004, 18.8170, 20.3102



4.4391, 4.3888, 5.1169



10.4671, 5.2065, 9.0493



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.5118, 20.4108, 21.0532 looks on a white background.

Color Contrast Check

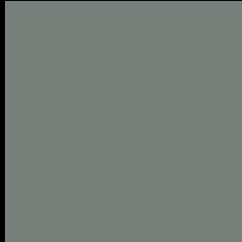
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5118, 20.4108, 21.0532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

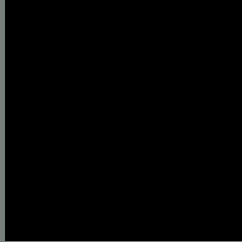
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

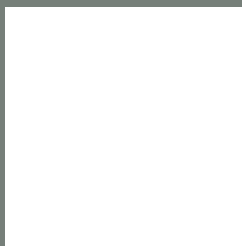
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5118, 20.4108, 21.0532

Background



This preview shows how black text looks on a background with the XYZ color 18.5118, 20.4108, 21.0532.



This preview shows how white text looks on a background with the XYZ color 18.5118, 20.4108,

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

18.5118, 20.4108, 21.0532

Protanopia

19.4395, 20.3364, 20.3535

Deuteranopia

20.6668, 20.3983, 21.2604



Tritanopia

19.4525, 20.4096, 25.8359

Trichromacy



Original Color

18.5118, 20.4108, 21.0532

Protanomaly

19.0360, 20.3084, 20.6859

Deuteranomaly

19.8017, 20.3169, 21.2902

Tritanomaly

19.0979, 20.4554, 24.0608

Monochromacy



Original Color

18.5118, 20.4108, 21.0532

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.9348, 20.2349, 21.6466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5118, 20.4108, 21.0532 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, 127, 121)` looks like.

```
.text, #text, p{  
    color:rgb(118, 127, 121)  
}
```

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, 127, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 127, 121) }
```

Border

The CSS property to change the border of an element to XYZ 18.5118, 20.4108, 21.0532 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, 127, 121) }
```


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

```
.border{ border-color:rgb(118, 127, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 127, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 127, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 127, 121);  
box-shadow:4px 4px 4px 4px rgb(118, 127,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5118, 20.4108, 21.0532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 127, 121) }
```

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

```
.background{ background-color: rgb(118,  
127, 121) }
```

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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