

Converting Colors

XYZ(18.4440, 20.4776, 21.7079)

Have a look what the booklet for
XYZ(18.4440, 20.4776, 21.7079)
contains.

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Color

**XYZ(18.4968, 20.5814,
21.7366)**

Conversions

Conversions Part 1

Format	Color
Hex	74807B
RGB	116, 128, 123
RGB Percent	45%, 50%, 48%
CMY	0.5451, 0.4980, 0.5176
CMYK	0.09, 0.00, 0.04, 0.50
HSL	155°, 5%, 48%
HSV	155°, 9%, 50%
XYZ	18.4968, 20.5814, 21.7366
YIQ	123.8420, -5.5470, -4.0990

Conversions

Conversions Part 2

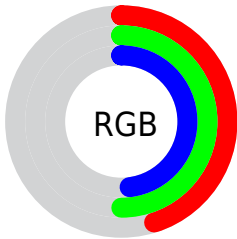
Format	Color
R_{YB}	116, 124, 128
Decimal	7635067
CIE Lab	52.49, -5.46, 1.19
CIE LCh	52, 5.588, 167.660
Yxy	20.5814, 0.3041, 0.3384
Android (android.graphics.Color)	4285825147 (0xFF74807B)
YUV	123.8420, -0.4151, -6.8774
Hunter-Lab	45.3667, -6.6142, 3.3490

Details

The XYZ color **18.4968, 20.5814, 21.7366** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.5994, 18.4610, 20.6732**, and the grayscale version is **19.1087, 20.1039, 21.8931**.

A 20% lighter version of the original color is **40.4102, 44.4677, 47.0107**, and **6.4159, 7.3153, 7.5524** is the 20% darker color. If you saturate the color by 10%, you get **16.5863, 19.6346, 19.9514**, and if you desaturate by 10%, it is **20.6611, 21.6581, 23.6296**.

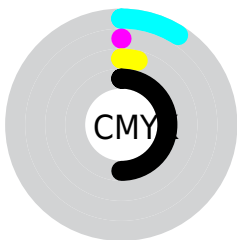
Distribution



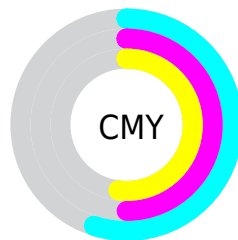
- Red (45%)
- Green (50%)
- Blue (48%)



- Red (45%)
- Yellow (49%)
- Blue (50%)



- Cyan (9%)
- Magenta (0%)
- Yellow (4%)
- Black (50%)



- Cyan (55%)
- Magenta (50%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4968, 20.5814, 21.7366 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 18.4968, 20.5814, 21.7366 by changing the saturation by 10% instead.

■ 18.4968, 20.5814,
21.7366

■ 18.4968, 20.5814,
21.7366

236.6484,
255.0454, 274.0761

■ 11.4091, 12.8184,
13.4670

■ 40.4055, 44.3898,
47.2069

■ 6.4120, 7.3036,
7.6164

■ 55.9573, 61.2040,
65.2446

■ 3.1402, 3.6527,
3.7663

■ 75.0611, 81.8040,
87.3755

■ 1.2283, 1.4812,
1.4980

98.0823, 106.5742,
114.0181

■ 0.1286, 0.2755,
0.2164

125.3863,
135.8991, 145.5909

■ 0.0000, 0.0000,
0.0000

157.3384,

170.1630, 182.5125

194.3039,
209.7503, 225.2014

■ 18.4968, 20.5814,
21.7366

■ 18.4968, 20.5814,
21.7366

■ 16.5863, 19.6346,
19.9514

■ 20.6611, 21.6581,
23.6296

■ 14.9182, 18.8102,
18.2706

■ 23.0868, 22.8668,
25.6309

■ 13.4824, 18.1034,
16.6927

■ 25.7832, 24.2129,
27.7428

■ 12.2678, 17.5087,
15.2155

■ 28.7588, 25.7007,
29.9671

■ 11.2621, 17.0197,
13.8369

■ 32.0214, 27.3343,
32.3055

■ 10.4518, 16.6295,
12.5547

■ 35.5789, 29.1176,
34.7597

■ 9.8218, 16.3304,
11.3663

■ 39.4385, 31.0543,
37.3315

■ 9.3544, 16.1133,
10.2692

■ 43.6074, 33.1482,
40.0223

■ 8.9991, 15.9521,
9.2591

■ 48.0924, 35.4028,
42.8339

Harmonies

Analogous

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



18.7524, 20.5814, 20.3345



18.4968, 20.5814, 21.7366



18.5225, 20.5814, 23.3886

Triad

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



18.4968, 20.5814, 21.7366



19.9009, 20.5814, 25.5797



20.3197, 20.5814, 20.1395

Complementary

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



18.4968, 20.5814, 21.7366



18.5994, 18.4610, 20.6732

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.



20.6397, 20.5814, 21.4584



18.4968, 20.5814, 21.7366



20.3946, 20.5814, 24.6214

Square

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



18.4968, 20.5814, 21.7366



19.3256, 20.5814, 25.6633



20.6673, 20.5814, 23.0964



19.8004, 20.5814, 19.4433

Rectangle

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



18.4968, 20.5814, 21.7366



18.6957, 20.5814, 24.4100



20.6673, 20.5814, 23.0964



20.4546, 20.5814, 20.5216

Sweetspot

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



18.4974, 20.5823, 21.7371



34.9157, 37.4043, 40.3490



18.7855, 20.7796, 19.5441



8.1084, 8.7244, 9.3891



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.



18.4974, 20.5823, 21.7371



31.9010, 35.9065, 37.6653



18.7147, 20.5029, 23.3942



4.3729, 4.8575, 5.1351



8.9024, 15.8075, 9.1245



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.5994, 18.4610, 20.6732



32.1141, 31.4792, 35.4451



18.3931, 18.5267, 19.1300



4.3963, 4.3717, 4.8915



9.4729, 4.8088, 3.8138



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.4968, 20.5814, 21.7366 looks on a white background.

Color Contrast Check

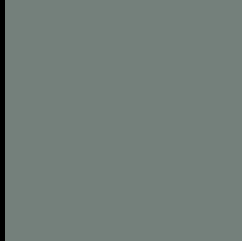
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4968, 20.5814, 21.7366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

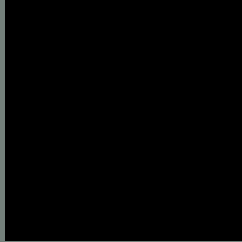
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

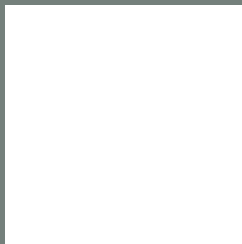
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4968, 20.5814, 21.7366

Background



This preview shows how black text looks on a background with the XYZ color 18.4968, 20.5814, 21.7366.



This preview shows how white text looks on a background with the XYZ color 18.4968, 20.5814,

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

18.4968, 20.5814, 21.7366

Protanopia

19.6869, 20.6369, 21.0349

Deuteranopia

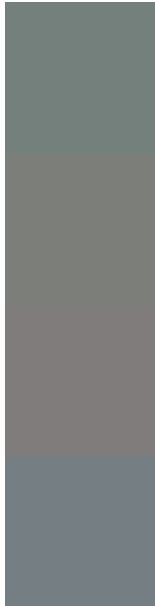
20.7920, 20.4483, 21.9199



Tritanopia

19.3760, 20.5508, 26.2380

Trichromacy



Original Color

18.4968, 20.5814, 21.7366

Protanomaly

19.2859, 20.6119, 21.3744

Deuteranomaly

19.8990, 20.5377, 21.9842

Tritanomaly

19.0222, 20.5993, 24.4462

Monochromacy



Original Color

18.4968, 20.5814, 21.7366

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.8569, 20.1874, 21.9715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4968, 20.5814, 21.7366 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, 128, 123) looks like.

```
.text, #text, p{  
    color:rgb(116, 128, 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(116, 128, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 128, 123) }
```

Border

The CSS property to change the border of an element to XYZ 18.4968, 20.5814, 21.7366 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, 128, 123) }
```


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

```
.border{ border-color:rgb(116, 128, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 128, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 128, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 128, 123);  
box-shadow:4px 4px 4px 4px rgb(116, 128,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4968, 20.5814, 21.7366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 128, 123) }
```

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

```
.background{ background-color: rgb(116,  
128, 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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