

Converting Colors

XYZ(18.6911, 20.5951, 21.2691)

Have a look what the booklet for
XYZ(18.6911, 20.5951, 21.2691)
contains.

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Color

**XYZ(18.8398, 20.7654,
21.4275)**

Conversions

Conversions Part 1

Format	Color
Hex	77807A
RGB	119, 128, 122
RGB Percent	47%, 50%, 48%
CMY	0.5333, 0.4980, 0.5216
CMYK	0.07, 0.00, 0.05, 0.50
HSL	140°, 4%, 48%
HSV	140°, 7%, 50%
XYZ	18.8398, 20.7654, 21.4275
YIQ	124.6250, -3.4380, -3.7740

Conversions

Conversions Part 2

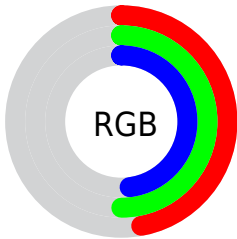
Format	Color
R_{YB}	119, 126, 128
Decimal	7831674
CIE Lab	52.69, -4.56, 2.10
CIE LCh	53, 5.017, 155.234
Yxy	20.7654, 0.3087, 0.3402
Android (android.graphics.Color)	4286021754 (0xFF77807A)
YUV	124.6250, -1.2941, -4.9331
Hunter-Lab	45.5691, -5.9479, 4.0190

Details

The XYZ color **18.8398, 20.7654, 21.4275** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.2014, 19.2641, 22.1094**, and the grayscale version is **19.3725, 20.3814, 22.1954**.

A 20% lighter version of the original color is **40.9584, 44.7617, 46.5255**, and **6.5971, 7.4126, 7.3864** is the 20% darker color. If you saturate the color by 10%, you get **16.6943, 19.7184, 18.6869**, and if you desaturate by 10%, it is **21.2696, 21.9548, 24.4248**.

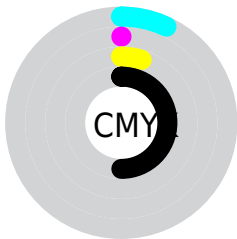
Distribution



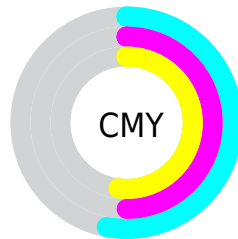
- Red (47%)
- Green (50%)
- Blue (48%)



- Red (47%)
- Yellow (49%)
- Blue (50%)



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



- Cyan (53%)
- Magenta (50%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8398, 20.7654, 21.4275 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 18.8398, 20.7654, 21.4275 by changing the saturation by 10% instead.

■ 18.8398, 20.7654,
21.4275

■ 18.8398, 20.7654,
21.4275

238.5181,
256.0291, 272.3971

■ 11.6579, 12.9526,
13.2426

■ 40.9822, 44.6968,
46.6879

■ 6.5817, 7.3959,
7.4631

■ 56.6734, 61.5841,
64.6005

■ 3.2459, 3.7109,
3.6706

■ 75.9317, 82.2652,
86.5927

■ 1.2851, 1.5132,
1.4464

99.1226, 107.1243,
113.0831

■ 0.1720, 0.2980,
0.1775

126.6113,
136.5458, 144.4902

■ 0.0000, 0.0000,
0.0000

158.7632,

170.9142, 181.2325

195.9437,
210.6138, 223.7286

■ 18.8398, 20.7654,
21.4275

■ 18.8398, 20.7654,
21.4275

■ 16.6943, 19.7184,
18.6869

■ 21.2696, 21.9548,
24.4248

■ 14.8207, 18.8057,
16.1948

■ 23.9919, 23.2889,
27.6838

■ 13.2084, 18.0227,
13.9449

■ 27.0169, 24.7733,
31.2112

■ 11.8453, 17.3632,
11.9296

■ 30.3535, 26.4128,
35.0131

■ 10.7183, 16.8206,
10.1415

■ 34.0106, 28.2115,
39.0952

■ 9.8132, 16.3878,
8.5723

■ 37.9964, 30.1737,
43.4631

■ 9.1142, 16.0568,
7.2135

■ 42.3190, 32.3034,
48.1224

■ 8.6030, 15.8183,
6.0558

■ 46.9862, 34.6046,
53.0783

■ 8.2444, 15.6545,
5.0887

■ 52.0054, 37.0809,
58.3361

Harmonies

Analogous

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



19.1637, 20.7654, 20.3432



18.8398, 20.7654, 21.4275



18.7545, 20.7654, 22.8731

Triad

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



18.8398, 20.7654, 21.4275



19.8286, 20.7654, 25.5938



20.5678, 20.7654, 20.9925

Complementary

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



18.8398, 20.7654, 21.4275



19.2014, 19.2641, 22.1094

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.



20.7530, 20.7654, 22.3489



18.8398, 20.7654, 21.4275



20.3214, 20.7654, 25.0392

Square

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



18.8398, 20.7654, 21.4275



19.3196, 20.7654, 25.3208



20.6620, 20.7654, 23.8352



20.1602, 20.7654, 20.0999

Rectangle

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



18.8398, 20.7654, 21.4275



18.8432, 20.7654, 23.8572



20.6620, 20.7654, 23.8352



20.6584, 20.7654, 21.4070

Sweetspot

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



18.8404, 20.7663, 21.4280



35.2390, 37.5724, 40.2993



19.5291, 21.1425, 20.5048



8.2648, 8.8038, 9.4529



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.



18.8404, 20.7663, 21.4280



32.7096, 36.3356, 37.1469



19.1162, 20.8766, 22.8802



4.3306, 4.8406, 4.9120



8.0808, 15.4789, 4.7983



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.2014, 19.2641, 22.1094



33.4437, 33.2808, 38.5328



18.9294, 19.1553, 20.6770



4.4391, 4.3888, 5.1169



10.4673, 5.2066, 9.0502



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.8398, 20.7654, 21.4275 looks on a white background.

Color Contrast Check

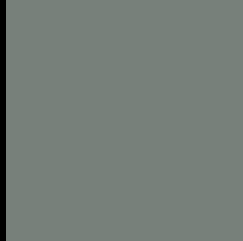
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8398, 20.7654, 21.4275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

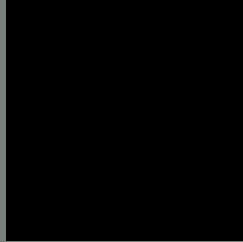
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

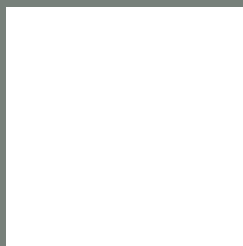
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8398, 20.7654, 21.4275

Background



This preview shows how black text looks on a background with the XYZ color 18.8398, 20.7654, 21.4275.



This preview shows how white text looks on a background with the XYZ color 18.8398, 20.7654,

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

18.8398, 20.7654, 21.4275

Protanopia

19.7770, 20.6904, 20.7206

Deuteranopia

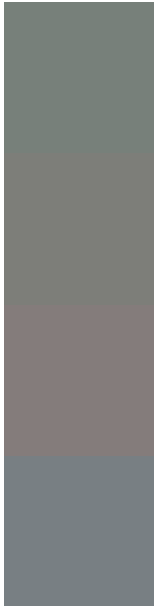
21.1821, 20.8381, 21.6446



Tritanopia

19.7899, 20.7642, 26.2574

Trichromacy



Original Color

18.8398, 20.7654, 21.4275

Protanomaly

19.3695, 20.6622, 21.0565

Deuteranomaly

20.2985, 20.7509, 21.6744

Tritanomaly

19.4318, 20.8105, 24.4654

Monochromacy



Original Color

18.8398, 20.7654, 21.4275

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.2673, 20.5879, 22.0271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8398, 20.7654, 21.4275 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(119, 128, 122)` looks like.

```
.text, #text, p{  
    color:rgb(119, 128, 122)  
}
```

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(119, 128, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 128, 122) }
```

Border

The CSS property to change the border of an element to XYZ 18.8398, 20.7654, 21.4275 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(119, 128, 122) }
```


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

```
.border{ border-color:rgb(119, 128, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 128, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 128, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 128, 122);  
box-shadow:4px 4px 4px 4px rgb(119, 128,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8398, 20.7654, 21.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 128, 122) }
```

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

```
.background{ background-color: rgb(119,  
128, 122) }
```

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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