

Converting Colors

XYZ(9.9181, 10.9991, 14.5746)

Have a look what the booklet for
XYZ(9.9181, 10.9991, 14.5746)
contains.

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Color

**XYZ(9.9898, 11.0707,
14.7070)**

Conversions

Conversions Part 1

Format	Color
Hex	506068
RGB	80, 96, 104
RGB Percent	31%, 38%, 41%
CMY	0.6863, 0.6235, 0.5922
CMYK	0.23, 0.08, 0.00, 0.59
HSL	200°, 13%, 36%
HSV	200°, 23%, 41%
XYZ	9.9898, 11.0707, 14.7070
YIQ	92.1280, -12.1040, -0.9040

Conversions

Conversions Part 2

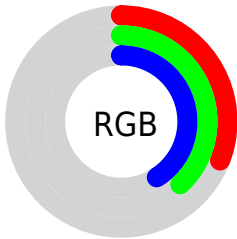
Format	Color
RYB	80, 90, 104
Decimal	5267560
CIELab	39.70, -4.12, -6.58
CIELCh	40, 7.767, 237.956
Yxy	11.0707, 0.2793, 0.3095
Android (android.graphics.Color)	4283457640 (0xFF506068)
YUV	92.1280, 5.8529, -10.6363
Hunter-Lab	33.2727, -4.6342, -2.9162

Details

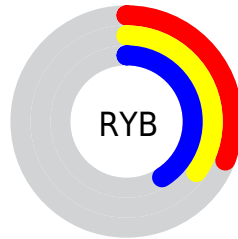
The XYZ color **9.9898, 11.0707, 14.7070** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.6466, 10.5016, 9.0555**, and the grayscale version is **10.1914, 10.7221, 11.6764**.

A 20% lighter version of the original color is **25.4012, 27.6702, 35.0124**, and **2.5723, 2.9339, 4.3016** is the 20% darker color. If you saturate the color by 10%, you get **8.8696, 10.0343, 14.5662**, and if you desaturate by 10%, it is **11.2606, 12.2060, 14.8593**.

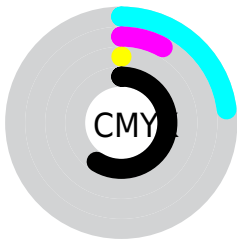
Distribution



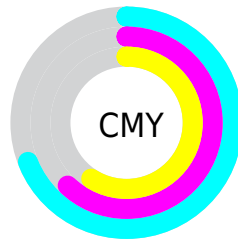
- Red (31%)
- Green (38%)
- Blue (41%)



- Red (31%)
- Yellow (35%)
- Blue (41%)



- Cyan (23%)
- Magenta (8%)
- Yellow (0%)
- Black (59%)



- Cyan (69%)
- Magenta (62%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9898, 11.0707, 14.7070 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 9.9898, 11.0707, 14.7070 by changing the saturation by 10% instead.

■ 9.9898, 11.0707,
14.7070

■ 9.9898, 11.0707,
14.7070

184.6544,
198.1520, 233.1652

■ 5.4544, 6.1144,
8.4697

■ 25.4262, 27.7908,
35.0733

■ 2.5537, 2.9148,
4.3049

■ 37.0578, 40.3235,
50.0395

■ 0.9224, 1.0874,
1.7940

■ 51.7857, 56.1503,
68.7522

■ 0.0000, 0.0000,
0.4240

■ 69.9750, 75.6558,
91.6302

■ 0.0000, 0.0000,
0.0000

■ 91.9912, 99.2243,
119.0920

118.1996,

127.2403, 151.5561

148.9655,
160.0880, 189.4409

■ 9.9898, 11.0707,
14.7070

■ 9.9898, 11.0707,
14.7070

■ 8.8696, 10.0343,
14.5662

■ 11.2606, 12.2060,
14.8593

■ 7.8925, 9.0919,
14.4358

■ 12.6870, 13.4421,
15.0228

■ 7.0520, 8.2401,
14.3157

■ 14.2750, 14.7828,
15.1978

■ 6.3406, 7.4747,
14.2054

■ 16.0299, 16.2310,
15.3849

■ 5.7500, 6.7912,
14.1046

■ 17.9569, 17.7896,
15.5842

■ 5.2709, 6.1845,
14.0128

■ 20.0608, 19.4614,
15.7960

■ 4.8895, 5.6472,
13.9292

■ 22.3464, 21.2490,
16.0205

■ 4.6479, 5.2978,
13.8744

■ 24.8181, 23.1550,
16.2582

■ 27.4803, 25.1819,
16.5091

Harmonies

Analogous

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



9.6459, 11.0707, 13.4778



9.9898, 11.0707, 14.7070



10.4860, 11.0707, 15.2195

Triad

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



9.9898, 11.0707, 14.7070



11.5763, 11.0707, 12.1587



10.0509, 11.0707, 9.6509

Complementary

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



9.9898, 11.0707, 14.7070



10.6466, 10.5016, 9.0555

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.



10.5588, 11.0707, 9.3612



9.9898, 11.0707, 14.7070



11.4504, 11.0707, 10.7344

Square

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



9.9898, 11.0707, 14.7070



11.4119, 11.0707, 13.6734



11.0735, 11.0707, 9.7411



9.6803, 11.0707, 10.5680

Rectangle

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



9.9898, 11.0707, 14.7070



10.8403, 11.0707, 15.0558



11.0735, 11.0707, 9.7411



10.2107, 11.0707, 9.4805

Sweetspot

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



9.9901, 11.0712, 14.7073



21.1931, 22.6673, 26.2353



10.0037, 12.3042, 10.9937



5.1493, 5.5119, 6.3983



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



9.9901, 11.0712, 14.7073



16.3722, 18.3635, 25.6587



9.0086, 9.1080, 14.3801



2.8307, 3.0394, 3.5694



5.6997, 6.4712, 17.0930



28.8999, 32.0964, 88.8734

Inverse Universe

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



10.6891, 9.5251, 12.3420



17.8654, 15.1883, 20.5778



11.6759, 12.5602, 9.3986



2.8991, 2.8743, 3.3411



8.3596, 4.1568, 7.2921



43.1825, 21.5130, 35.8339

Previews

White Background



This preview shows how the XYZ color 9.9898, 11.0707, 14.7070 looks on a white background.

Color Contrast Check

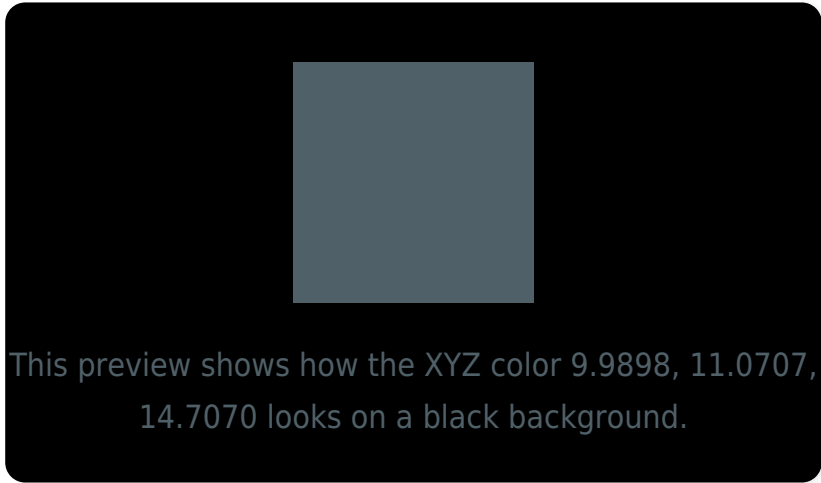
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

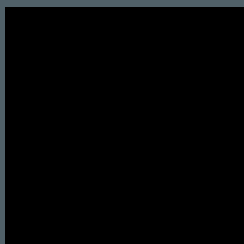
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

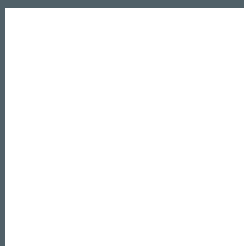
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.9898, 11.0707, 14.7070

Background



This preview shows how black text looks on a background with the XYZ color 9.9898, 11.0707, 14.7070.



This preview shows how white text looks on a background with the XYZ color 9.9898, 11.0707,

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

9.9898, 11.0707, 14.7070

Protanopia

10.7263, 11.0633, 14.1405

Deuteranopia

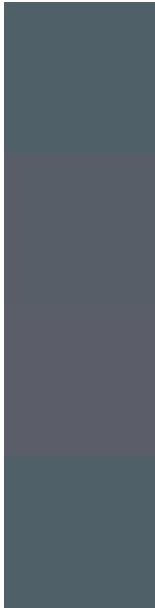
11.2207, 11.0435, 14.9048



Tritanopia

9.9898, 11.0707, 14.7070

Trichromacy



Original Color

9.9898, 11.0707, 14.7070

Protanomaly

10.4754, 11.0594, 14.4145

Deuteranomaly

10.7785, 11.0728, 14.9338

Tritanomaly

9.9898, 11.0707, 14.7070

Monochromacy



Original Color

9.9898, 11.0707, 14.7070

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.0502, 10.7479, 12.6112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9898, 11.0707, 14.7070 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(80, 96, 104) looks like.

```
.text, #text, p{  
    color:rgb(80, 96, 104)  
}
```

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(80, 96, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 96, 104) }
```

Border

The CSS property to change the border of an element to XYZ 9.9898, 11.0707, 14.7070 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(80, 96, 104) }
```


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

```
.border{ border-color:rgb(80, 96, 104) }
```

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

Here you see how a box with a 4 pixel rgb(80, 96, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 96, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 96, 104);  
box-shadow:4px 4px 4px 4px rgb(80, 96,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9898, 11.0707, 14.7070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 96, 104) }
```

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

```
.background{ background-color: rgb(80, 96,  
104) }
```

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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