

Converting Colors

XYZ(11.8163, 12.4508, 20.1928)

Have a look what the booklet for
XYZ(11.8163, 12.4508, 20.1928)
contains.

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Color

**XYZ(11.8163, 12.4508,
20.1928)**

Conversions

Conversions Part 1

Format	Color
Hex	55647A
RGB	85, 100, 122
RGB Percent	33%, 39%, 48%
CMY	0.6667, 0.6078, 0.5216
CMYK	0.30, 0.18, 0.00, 0.52
HSL	216°, 18%, 41%
HSV	216°, 30%, 48%
XYZ	11.8163, 12.4508, 20.1928
YIQ	98.0230, -16.0020, 3.6620

Conversions

Conversions Part 2

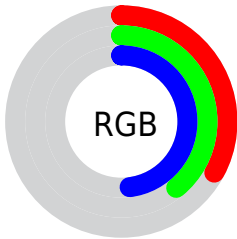
Format	Color
R _{YB}	85, 96, 122
Decimal	5596282
CIE Lab	41.92, -0.13, -14.18
CIE LCh	42, 14.185, 269.494
Yxy	12.4508, 0.2658, 0.2800
Android (android.graphics.Color)	4283786362 (0xFF55647A)
YUV	98.0230, 11.8207, -11.4212
Hunter-Lab	35.2857, -1.9748, -9.2297

Details

The XYZ color **11.8163, 12.4508, 20.1928** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.9235, 15.3088, 10.7629**, and the grayscale version is **11.5898, 12.1934, 13.2786**.

A 20% lighter version of the original color is **28.8599, 30.4235, 44.3956**, and **3.3211, 3.5314, 6.8099** is the 20% darker color. If you saturate the color by 10%, you get **10.1378, 10.5985, 19.9240**, and if you desaturate by 10%, it is **13.7485, 14.5264, 20.4918**.

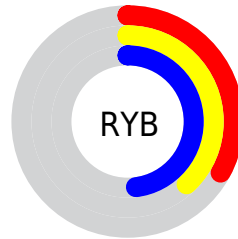
Distribution



Red (33%)

Green (39%)

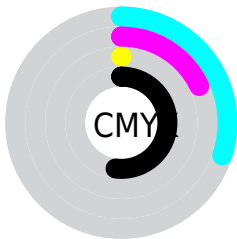
Blue (48%)



Red (33%)

Yellow (38%)

Blue (48%)

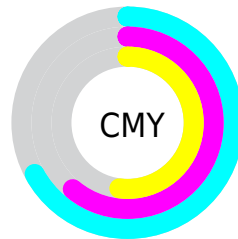


Cyan (30%)

Magenta (18%)

Yellow (0%)

Black (52%)



Cyan (67%)

Magenta (61%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8163, 12.4508, 20.1928 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 11.8163, 12.4508, 20.1928 by changing the saturation by 10% instead.

■ 11.8163, 12.4508,
20.1928

■ 11.8163, 12.4508,
20.1928

■ 196.9802,
207.3673, 265.5956

■ 6.6900, 7.0515,
12.3498

■ 28.7799, 30.3135,
44.6034

■ 3.3136, 3.4943,
6.8570

■ 41.3478, 43.5457,
62.0081

■ 1.3217, 1.3949,
3.2957

■ 57.1271, 60.1576,
83.4371

■ 0.1994, 0.2130,
1.2475

■ 76.4830, 80.5337,
109.3089

■ 0.0000, 0.0000,
0.0182

■ 99.7809, 105.0583,
140.0422

■ 0.0000, 0.0000,
0.0000

127.3862,

134.1159, 176.0553

159.6642,
168.0907, 217.7670

■ 11.8163, 12.4508,
20.1928

■ 11.8163, 12.4508,
20.1928

■ 10.1378, 10.5985,
19.9240

■ 13.7485, 14.5264,
20.4918

■ 8.7005, 8.9599,
19.6834

■ 15.9440, 16.8318,
20.8211

■ 7.4924, 7.5265,
19.4704

■ 18.4131, 19.3747,
21.1818

■ 6.4999, 6.2888,
19.2838

■ 21.1652, 22.1621,
21.5747

■ 5.7080, 5.2363,
19.1224

■ 24.2095, 25.2008,
22.0008

■ 5.0993, 4.3571,
18.9848

■ 27.5544, 28.4973,
22.4608

■ 4.6307, 3.6408,
18.8712

■ 31.2082, 32.0577,
22.9555

■ 35.1789, 35.8880,
23.4855

■ 39.4739, 39.9940,
24.0517

Harmonies

Analogous

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



10.8394, 12.4508, 19.1680



11.8163, 12.4508, 20.1928



12.8552, 12.4508, 19.2323

Triad

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



11.8163, 12.4508, 20.1928



13.6781, 12.4508, 10.9069



10.1799, 12.4508, 10.8306

Complementary

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



11.8163, 12.4508, 20.1928



14.9235, 15.3088, 10.7629

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.



10.8685, 12.4508, 9.1246



11.8163, 12.4508, 20.1928



12.8879, 12.4508, 9.1639

Square

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



11.8163, 12.4508, 20.1928



13.9679, 12.4508, 13.6079



11.8519, 12.4508, 8.5618



9.9295, 12.4508, 13.5058

Rectangle

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



11.8163, 12.4508, 20.1928



13.4350, 12.4508, 17.6659



11.8519, 12.4508, 8.5618



10.3657, 12.4508, 10.1401

Sweetspot

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



11.8167, 12.4513, 20.1931



28.5082, 30.0877, 36.6979



13.3380, 16.9034, 16.3552



6.4053, 6.7621, 8.3743



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.8167, 12.4513, 20.1931



18.8079, 19.7300, 35.2099



10.7940, 9.9811, 19.7702



3.9187, 4.1356, 5.0349



4.8675, 3.8175, 19.8656



22.4284, 16.6295, 94.4975

Inverse Universe

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



13.5751, 11.5549, 13.5720



22.4464, 18.0842, 21.4628



16.1957, 18.4912, 11.3101



4.0594, 4.0395, 4.5105



9.0402, 4.5922, 3.5028



42.7240, 21.7459, 14.6084

Previews

White Background



This preview shows how the XYZ color 11.8163, 12.4508, 20.1928 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



This preview shows how the XYZ color 11.8163, 12.4508, 20.1928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

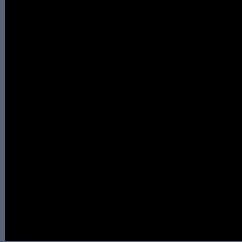
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

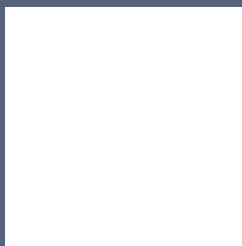
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8163, 12.4508, 20.1928

Background



This preview shows how black text looks on a background with the XYZ color 11.8163, 12.4508, 20.1928.

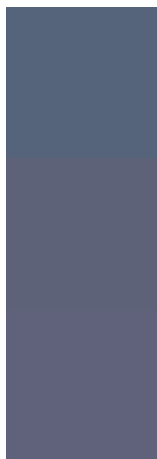


This preview shows how white text looks on a background with the XYZ color 11.8163, 12.4508,

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

11.8163, 12.4508, 20.1928

Protanopia

12.3739, 12.4711, 19.5243

Deuteranopia

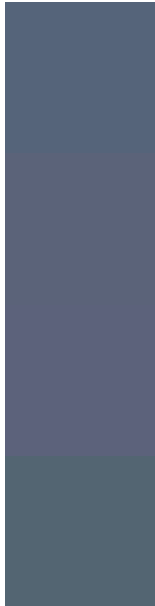
12.6737, 12.4662, 20.4771



Tritanopia

11.0455, 12.4224, 16.5674

Trichromacy



Original Color

11.8163, 12.4508, 20.1928

Protanomaly

12.2274, 12.5283, 19.8629

Deuteranomaly

12.3565, 12.4407, 20.4889

Tritanomaly

11.2582, 12.3613, 17.7122

Monochromacy



Original Color

11.8163, 12.4508, 20.1928

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.6299, 12.3124, 15.6735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8163, 12.4508, 20.1928 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(85, 100, 122) looks like.

```
.text, #text, p{  
    color:rgb(85, 100, 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(85, 100, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 100, 122) }
```

Border

The CSS property to change the border of an element to XYZ 11.8163, 12.4508, 20.1928 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(85, 100, 122) }
```


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

```
.border{ border-color:rgb(85, 100, 122) }
```

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

Here you see how a box with a 4 pixel rgb(85, 100, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 100, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 100, 122);  
box-shadow:4px 4px 4px 4px rgb(85, 100,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8163, 12.4508, 20.1928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 100, 122) }
```

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

```
.background{ background-color: rgb(85, 100,  
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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