

Converting Colors

XYZ(11.9249, 12.6203, 29.7824)

Have a look what the booklet for
XYZ(11.9249, 12.6203, 29.7824)
contains.

XYZ(11.9003, 12.5707, 29.8161)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.9003, 12.5707,
29.8161)**

Conversions

Conversions Part 1

Format	Color
Hex	3B6694
RGB	59, 102, 148
RGB Percent	23%, 40%, 58%
CMY	0.7686, 0.6000, 0.4196
CMYK	0.60, 0.31, 0.00, 0.42
HSL	211°, 43%, 41%
HSV	211°, 60%, 58%
XYZ	11.9003, 12.5707, 29.8161
YIQ	94.3870, -40.3940, 5.1900

Conversions

Conversions Part 2

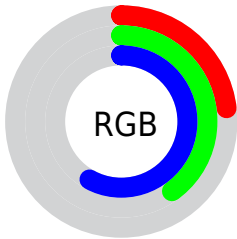
Format	Color
R_{YB}	59, 88, 148
Decimal	3892884
CIE _{Lab}	42.11, -0.33, -29.69
CIE _{LCh}	42, 29.689, 269.355
Yxy	12.5707, 0.2192, 0.2316
Android (android.graphics.Color)	4282082964 (0xFF3B6694)
YUV	94.3870, 26.4312, -31.0344
Hunter-Lab	35.4552, -2.1342, -25.0414

Details

The XYZ color **11.9003, 12.5707, 29.8161** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.0543, 16.7156, 6.4131**, and the grayscale version is **10.6776, 11.2337, 12.2334**.

A 20% lighter version of the original color is **28.9913, 30.6241, 60.2602**, and **3.5718, 3.6914, 11.8335** is the 20% darker color. If you saturate the color by 10%, you get **10.4269, 10.7463, 29.5419**, and if you desaturate by 10%, it is **13.6927, 14.6630, 30.1257**.

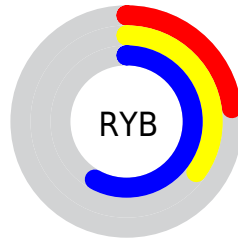
Distribution



Red (23%)

Green (40%)

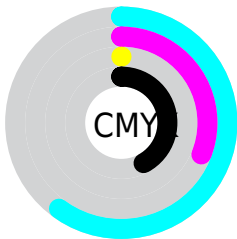
Blue (58%)



Red (23%)

Yellow (35%)

Blue (58%)

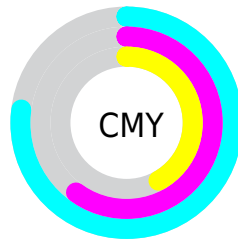


Cyan (60%)

Magenta (31%)

Yellow (0%)

Black (42%)



Cyan (77%)

Magenta (60%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9003, 12.5707, 29.8161 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 11.9003, 12.5707, 29.8161 by changing the saturation by 10% instead.

■ 11.9003, 12.5707,
29.8161

■ 11.9003, 12.5707,
29.8161

197.5276,
208.1477, 315.2269

■ 6.7475, 7.1336,
19.4482

■ 28.9318, 30.5303,
60.4288

■ 3.3496, 3.5458,
11.8145

■ 41.5413, 43.8217,
81.5106

■ 1.3412, 1.4229,
6.4965

■ 57.3671, 60.4999,
107.0009

■ 0.2138, 0.2335,
3.0756

■ 76.7745, 80.9493,
137.3181

■ 0.0000, 0.0000,
1.1334

■ 100.1289,
105.5545, 172.8807

■ 0.0000, 0.0000,
0.0000

127.7956,

134.6996, 214.1074

160.1400,
168.7693, 261.4166

■ 11.9003, 12.5707,
29.8161

■ 11.9003, 12.5707,
29.8161

■ 10.4269, 10.7463,
29.5419

■ 13.6927, 14.6630,
30.1257

■ 9.2477, 9.1736,
29.3004

■ 15.8237, 17.0353,
30.4713

■ 8.3357, 7.8360,
29.0903

■ 18.3127, 19.7004,
30.8545

■ 7.6308, 6.7091,
28.9100

■ 21.1772, 22.6698,
31.2767

■ 24.4335, 25.9543,
31.7391

■ 28.0969, 29.5640,
32.2427

■ 32.1817, 33.5088,
32.7889

■ 36.7016, 37.7978,
33.3785

■ 41.6697, 42.4398,
34.0126

Harmonies

Analogous

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



9.9106, 12.5707, 27.0518



11.9003, 12.5707, 29.8161



14.1542, 12.5707, 27.2682

Triad

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



11.9003, 12.5707, 29.8161



16.0470, 12.5707, 8.5469



8.6528, 12.5707, 8.3747

Complementary

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



11.9003, 12.5707, 29.8161



18.0543, 16.7156, 6.4131

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.



9.9839, 12.5707, 5.5851



11.9003, 12.5707, 29.8161



14.2472, 12.5707, 5.6608

Square

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



11.9003, 12.5707, 29.8161



16.7200, 12.5707, 13.8248



11.9960, 12.5707, 4.7693



8.1833, 12.5707, 13.5508

Rectangle

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



11.9003, 12.5707, 29.8161



15.4705, 12.5707, 23.2416



11.9960, 12.5707, 4.7693



9.0056, 12.5707, 7.1929

Sweetspot

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



11.9008, 12.5711, 29.8164



38.3334, 40.9858, 55.3253



14.9429, 23.1295, 17.0376



8.4187, 9.0173, 12.5816



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



11.9008, 12.5711, 29.8164



17.6546, 17.9962, 51.9777



8.8026, 6.2424, 28.7581



5.7169, 6.0677, 7.3396



6.5450, 5.7847, 24.7026



0.1094, 0.1293, 0.3121

Inverse Universe

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



16.1754, 10.3837, 13.7225



26.2420, 15.0634, 19.3185



23.3257, 27.6543, 8.2467



5.9105, 5.8593, 6.6350



11.4307, 5.7773, 5.7489



0.1547, 0.0766, 0.1481

Previews

White Background



This preview shows how the XYZ color 11.9003, 12.5707, 29.8161 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 11.9003, 12.5707, 29.8161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

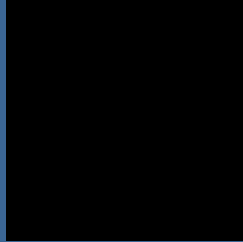
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9003, 12.5707, 29.8161

Background



This preview shows how black text looks on a background with the XYZ color 11.9003, 12.5707, 29.8161.



This preview shows how white text looks on a background with the XYZ color 11.9003, 12.5707,

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

11.9003, 12.5707, 29.8161

Protanopia

12.9649, 12.4478, 28.1049

Deuteranopia

12.8671, 12.6301, 30.1935



Tritanopia

9.6556, 12.5674, 18.7465

Trichromacy



Original Color

11.9003, 12.5707, 29.8161

Protanomaly

12.4743, 12.4639, 28.5364

Deuteranomaly

12.5078, 12.5864, 30.2039

Tritanomaly

10.3657, 12.5447, 22.2971

Monochromacy



Original Color

11.9003, 12.5707, 29.8161

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.7053, 11.5136, 17.5777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9003, 12.5707, 29.8161 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(59, 102, 148)` looks like.

```
.text, #text, p{  
    color:rgb(59, 102, 148)  
}
```

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(59, 102, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 102, 148) }
```

Border

The CSS property to change the border of an element to XYZ 11.9003, 12.5707, 29.8161 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(59, 102, 148) }
```


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

```
.border{ border-color:rgb(59, 102, 148) }
```

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

Here you see how a box with a 4 pixel rgb(59, 102, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 102, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 102, 148);  
box-shadow:4px 4px 4px 4px rgb(59, 102,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9003, 12.5707, 29.8161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 102, 148) }
```

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

```
.background{ background-color: rgb(59, 102,  
148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor