

Converting Colors

XYZ(11.5661, 11.5838, 21.7622)

Have a look what the booklet for
XYZ(11.5661, 11.5838, 21.7622)
contains.

XYZ(11.5791, 11.6015, 21.7077)	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(11.5791, 11.6015,
21.7077)**

Conversions

Conversions Part 1

Format	Color
Hex	545F7F
RGB	84, 95, 127
RGB Percent	33%, 37%, 50%
CMY	0.6706, 0.6274, 0.5020
CMYK	0.34, 0.25, 0.00, 0.50
HSL	225°, 20%, 41%
HSV	225°, 34%, 50%
XYZ	11.5791, 11.6015, 21.7077
YIQ	95.3590, -16.8280, 7.6200

Conversions

Conversions Part 2

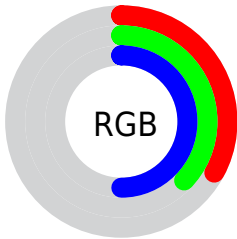
Format	Color
R_{YB}	84, 93, 127
Decimal	5529471
CIE _{Lab}	40.58, 4.00, -19.29
CIE _{LCh}	41, 19.704, 281.726
Yxy	11.6015, 0.2580, 0.2585
Android (android.graphics.Color)	4283719551 (0xFF545F7F)
YUV	95.3590, 15.5990, -9.9618
Hunter-Lab	34.0610, 1.0747, -13.9440

Details

The XYZ color **11.5791, 11.6015, 21.7077** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **16.5983, 17.6431, 10.9185**, and the grayscale version is **10.9302, 11.4994, 12.5229**.

A 20% lighter version of the original color is **28.3553, 28.6970, 47.2246**, and **3.2010, 3.1218, 7.6416** is the 20% darker color. If you saturate the color by 10%, you get **9.7435, 9.4674, 21.3927**, and if you desaturate by 10%, it is **13.7249, 14.0494, 22.0673**.

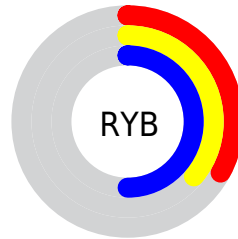
Distribution



Red (33%)

Green (37%)

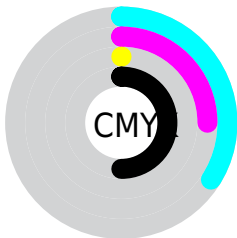
Blue (50%)



Red (33%)

Yellow (36%)

Blue (50%)

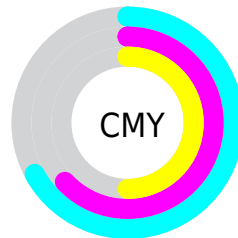


Cyan (34%)

Magenta (25%)

Yellow (0%)

Black (50%)



Cyan (67%)

Magenta (63%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5791, 11.6015, 21.7077 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 11.5791, 11.6015, 21.7077 by changing the saturation by 10% instead.

■ 11.5791, 11.6015,
21.7077

■ 11.5791, 11.6015,
21.7077

195.4259,
201.7490, 273.9195

■ 6.5279, 6.4729,
13.4460

■ 28.3497, 28.7672,
47.1584

■ 3.2123, 3.1347,
7.6021

■ 40.7999, 41.5732,
65.1845

■ 1.2670, 1.2025,
3.7573

■ 56.4471, 57.7070,
87.3025

■ 0.1583, 0.0637,
1.4932

■ 75.6566, 77.5532,
113.9309

■ 0.0000, 0.0000,
0.2128

■ 98.7939, 101.4961,
145.4882

■ 0.0000, 0.0000,
0.0000

126.2244,

129.9201, 182.3931

158.3132,
163.2096, 225.0640

■ 11.5791, 11.6015,
21.7077

■ 11.5791, 11.6015,
21.7077

■ 9.7435, 9.4674,
21.3927

■ 13.7249, 14.0494,
22.0673

■ 8.2022, 7.6326,
21.1198

■ 16.1935, 16.8221,
22.4724

■ 6.9394, 6.0835,
20.8874

■ 18.9984, 19.9315,
22.9247

■ 5.9374, 4.8048,
20.6934

■ 22.1517, 23.3889,
23.4259

■ 5.1762, 3.7796,
20.5356

■ 25.6650, 27.2046,
23.9772

■ 4.6310, 2.9878,
20.4115

■ 29.5494, 31.3887,
24.5801

■ 4.3606, 2.5919,
20.3493

■ 33.8156, 35.9510,
25.2358

■ 38.4735, 40.9007,
25.9457

■ 43.5330, 46.2467,
26.7110

Harmonies

Analogous

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



10.2098, 11.6015, 21.3847



11.5791, 11.6015, 21.7077



12.9033, 11.6015, 19.2500

Triad

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



11.5791, 11.6015, 21.7077



13.1445, 11.6015, 8.1913



8.6785, 11.6015, 10.3806

Complementary

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



11.5791, 11.6015, 21.7077



16.5983, 17.6431, 10.9185

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.



9.3418, 11.6015, 7.7368



11.5791, 11.6015, 21.7077



11.8864, 11.6015, 6.6681

Square

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



11.5791, 11.6015, 21.7077



13.8566, 11.6015, 11.1392



10.4925, 11.6015, 6.5214



8.6113, 11.6015, 14.2526

Rectangle

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



11.5791, 11.6015, 21.7077



13.5524, 11.6015, 16.6162



10.4925, 11.6015, 6.5214



8.8364, 11.6015, 9.3418

Sweetspot

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



11.5795, 11.6020, 21.7080



30.7457, 32.0687, 40.5257



14.3711, 18.3139, 19.1588



7.0626, 7.3572, 9.4662



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.



11.5795, 11.6020, 21.7080



18.0256, 17.6311, 38.4094



11.6209, 10.2548, 21.4458



4.1914, 4.3768, 5.4372



4.3967, 2.6120, 20.5224



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.9886, 11.6793, 12.3439



23.1265, 18.0185, 18.5322



16.5215, 19.5987, 11.3000



4.3694, 4.3609, 4.7499



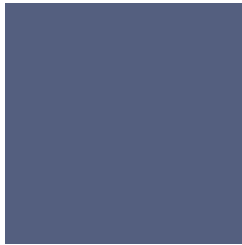
9.0962, 4.6582, 1.8306



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.5791, 11.6015, 21.7077 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 11.5791, 11.6015, 21.7077 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

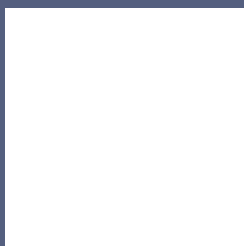
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.5791, 11.6015, 21.7077

Background



This preview shows how black text looks on a background with the XYZ color 11.5791, 11.6015, 21.7077.

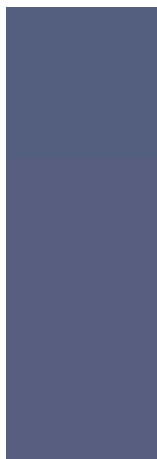


This preview shows how white text looks on a background with the XYZ color 11.5791, 11.6015,

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

11.5791, 11.6015, 21.7077

Protanopia

11.7639, 11.5640, 21.6907

Deuteranopia

11.7639, 11.5640, 21.6907



Tritanopia

10.3401, 11.6475, 15.6131

Trichromacy



Original Color

11.5791, 11.6015, 21.7077

Protanomaly

11.6712, 11.5161, 21.6864

Deuteranomaly

11.6712, 11.5161, 21.6864

Tritanomaly

10.7983, 11.6996, 17.6087

Monochromacy



Original Color

11.5791, 11.6015, 21.7077

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.0604, 11.4701, 15.5409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5791, 11.6015, 21.7077 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(84, 95, 127) looks like.

```
.text, #text, p{  
    color:rgb(84, 95, 127)  
}
```

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(84, 95, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 95, 127) }
```

Border

The CSS property to change the border of an element to XYZ 11.5791, 11.6015, 21.7077 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(84, 95, 127) }
```


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

```
.border{ border-color:rgb(84, 95, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 95, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 95, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 95, 127);  
box-shadow:4px 4px 4px 4px rgb(84, 95,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5791, 11.6015, 21.7077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 95, 127) }
```

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

```
.background{ background-color: rgb(84, 95,  
127) }
```

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