

Converting Colors

XYZ(11.5201, 6.0123, 20.9102)

Have a look what the booklet for
XYZ(11.5201, 6.0123, 20.9102)
contains.

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Color

**XYZ(11.5800, 6.0357,
20.9767)**

Conversions

Conversions Part 1

Format	Color
Hex	751980
RGB	117, 25, 128
RGB Percent	46%, 10%, 50%
CMY	0.5412, 0.9019, 0.4980
CMYK	0.09, 0.80, 0.00, 0.50
HSL	294°, 67%, 30%
HSV	294°, 80%, 50%
XYZ	11.5800, 6.0357, 20.9767
YIQ	64.2500, 21.7690, 51.5370

Conversions

Conversions Part 2

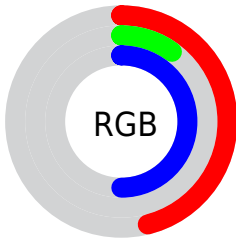
Format	Color
R_{YB}	117, 25, 128
Decimal	7674240
CIE _{Lab}	29.50, 51.74, -37.06
CIE _{LCh}	30, 63.643, 324.389
Yxy	6.0357, 0.3001, 0.1564
Android (android.graphics.Color)	4285864320 (0xFF751980)
YUV	64.2500, 31.4288, 46.2617
Hunter-Lab	24.5677, 41.1428, -33.4264

Details

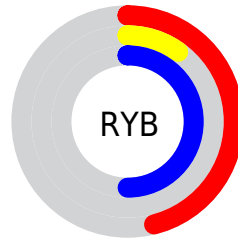
The XYZ color **11.5800, 6.0357, 20.9767** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **8.6224, 15.8837, 3.5314**, and the grayscale version is **4.8632, 5.1164, 5.5718**.

A 20% lighter version of the original color is **28.2962, 17.9917, 45.6974**, and **3.4895, 1.6400, 7.3404** is the 20% darker color. If you saturate the color by 10%, you get **11.1841, 5.5144, 20.8970**, and if you desaturate by 10%, it is **12.1044, 6.8097, 21.0985**.

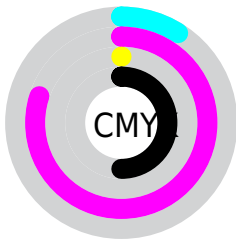
Distribution



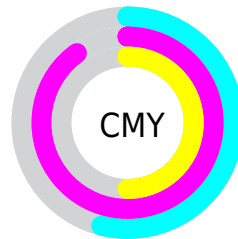
- Red (46%)
- Green (10%)
- Blue (50%)



- Red (46%)
- Yellow (10%)
- Blue (50%)



- Cyan (9%)
- Magenta (80%)
- Yellow (0%)
- Black (50%)



- Cyan (54%)
- Magenta (90%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5800, 6.0357, 20.9767 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 11.5800, 6.0357, 20.9767 by changing the saturation by 10% instead.

■ 11.5800, 6.0357,
20.9767

■ 11.5800, 6.0357,
20.9767

■ 195.4318,
159.3920, 269.9316

■ 6.5285, 2.8668,
12.9159

■ 28.3514, 18.0052,
45.9290

■ 3.2127, 1.0626,
7.2406

■ 40.8020, 27.5745,
63.6577

■ 1.2672, 0.0000,
3.5323

■ 56.4496, 40.0461,
85.4460

■ 0.1585, 0.0000,
1.3724

■ 75.6598, 55.8044,
111.7125

■ 0.0000, 0.0000,
0.1201

■ 98.7977, 75.2337,
142.8758

■ 0.0000, 0.0000,
0.0000

■ 126.2288, 98.7185,

179.3544

158.3184,
126.6431, 221.5668

11.5800, 6.0357,
20.9767

11.5800, 6.0357,
20.9767

11.1841, 5.5144,
20.8970

12.1044, 6.8097,
21.0985

10.8788, 5.1581,
20.8444

12.7719, 7.8660,
21.2672

13.5957, 9.2309,
21.4873

14.5875, 10.9276,
21.7625

15.7576, 12.9770,
22.0964

■ 17.1156, 15.3983,
22.4922

■ 18.6705, 18.2092,
22.9528

■ 20.4307, 21.4265,
23.4810

■ 22.4039, 25.0657,
24.0795

Harmonies

Analogous

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



8.3655, 6.0357, 34.5516



11.5800, 6.0357, 20.9767



13.2826, 6.0357, 8.2631

Triad

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



11.5800, 6.0357, 20.9767



6.3003, 6.0357, 0.0000



2.0056, 6.0357, 15.6353

Complementary

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



11.5800, 6.0357, 20.9767



8.6224, 15.8837, 3.5314

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.



1.7805, 6.0357, 5.1287



11.5800, 6.0357, 20.9767



3.7259, 6.0357, 0.0000

Square

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



11.5800, 6.0357, 20.9767



9.6417, 6.0357, 0.0000



2.2890, 6.0357, 0.9653



3.0606, 6.0357, 30.0354

Rectangle

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



11.5800, 6.0357, 20.9767



13.0246, 6.0357, 3.3448



2.2890, 6.0357, 0.9653



1.8494, 6.0357, 11.4013

Sweetspot

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



11.5803, 6.0360, 20.9768



29.1163, 25.2873, 39.3026



4.9596, 3.0897, 20.7571



6.6489, 5.6211, 9.1529



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.



11.5803, 6.0360, 20.9768



19.2319, 9.2020, 36.7188



11.0329, 5.9979, 9.9218



4.4544, 4.3898, 5.4258



10.7877, 5.1150, 20.6687



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.5684, 5.4121, 2.2098



15.8737, 8.2464, 1.5214



9.0595, 16.0208, 7.5383



4.3450, 4.3512, 4.6213



8.9037, 4.5812, 0.8169



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.5800, 6.0357, 20.9767 looks on a white background.

Color Contrast Check

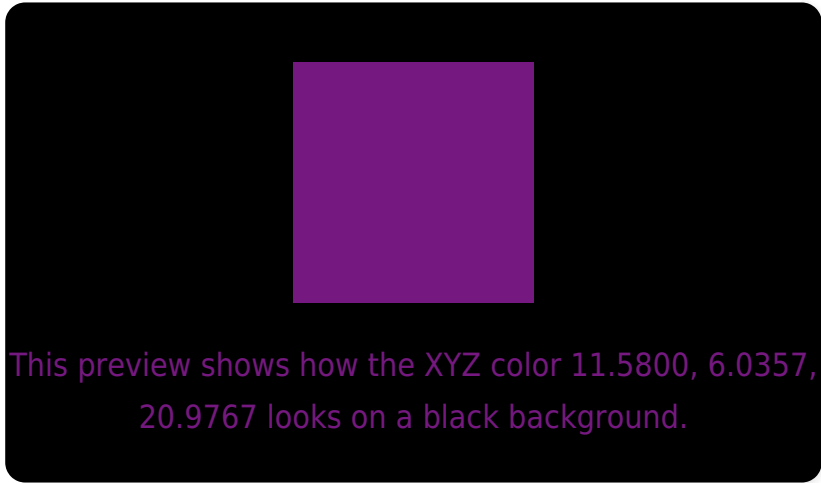
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

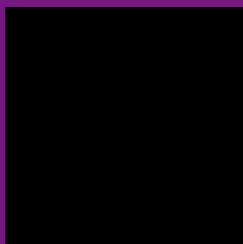
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.5800, 6.0357, 20.9767

Background



This preview shows how black text looks on a background with the XYZ color 11.5800, 6.0357, 20.9767.



This preview shows how white text looks on a background with the XYZ color 11.5800, 6.0357,

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

11.5800, 6.0357, 20.9767

Protanopia

7.2390, 6.3006, 27.6227

Deuteranopia

6.4282, 6.3553, 18.9770



Tritanopia

8.2672, 6.1320, 4.7508

Trichromacy



Original Color

11.5800, 6.0357, 20.9767

Protanomaly

6.9296, 4.9239, 25.0113

Deuteranomaly

7.1186, 5.2776, 19.7123

Tritanomaly

8.9808, 5.7318, 8.8166

Monochromacy



Original Color

11.5800, 6.0357, 20.9767

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

6.4282, 4.8083, 9.6061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5800, 6.0357, 20.9767 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(117, 25, 128)` looks like.

```
.text, #text, p{  
    color:rgb(117, 25, 128)  
}
```

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(117, 25, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 25, 128) }
```

Border

The CSS property to change the border of an element to XYZ 11.5800, 6.0357, 20.9767 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(117, 25, 128) }
```


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

```
.border{ border-color:rgb(117, 25, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 25, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 25, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 25, 128);  
box-shadow:4px 4px 4px 4px rgb(117, 25,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5800, 6.0357, 20.9767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 25, 128) }
```

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

```
.background{ background-color: rgb(117, 25,  
128) }
```

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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