

Converting Colors

$Y_{xy}(11.5113, 0.2070, 0.1083)$

Have a look what the booklet for
Yxy(11.5113, 0.2070, 0.1083)
contains.

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Color

Yxy(11.5716, 0.2072, 0.1084)

Conversions

Conversions Part 1

Format	Color
Hex	7433E2
RGB	116, 51, 226
RGB Percent	45%, 20%, 89%
CMY	0.5451, 0.8001, 0.1135
CMYK	0.49, 0.77, 0.00, 0.11
HSL	262°, 75%, 54%
HSV	262°, 77%, 89%
XYZ	22.1184, 11.5716, 73.0591
YIQ	90.3850, -17.4350, 68.2050

Conversions

Conversions Part 2

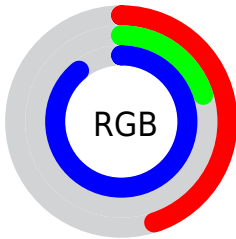
Format	Color
R _Y B	116, 51, 226
Decimal	7615458
CIE Lab	40.53, 63.89, -77.63
CIE LCh	41, 100.545, 309.456
Yxy	11.5716, 0.2072, 0.1084
Android (android.graphics.Color)	4285805538 (0xFF7433E2)
YUV	90.3850, 66.8582, 22.4644
Hunter-Lab	34.0171, 56.5336, -103.5263

Details

The Yxy color **11.5716, 0.2072, 0.1084** is a dark color, and the websafe version is hex **6600CC**. The color can be described as middle washed purple. A complement of this color would be **62.2430, 0.3613, 0.5290**, and the grayscale version is **10.1626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6703, 0.2492, 0.1612**, and **3.5175, 0.1695, 0.0708** is the 20% darker color. If you saturate the color by 10%, you get **9.1541, 0.1933, 0.0902**, and if you desaturate by 10%, it is **15.0976, 0.2226, 0.1324**.

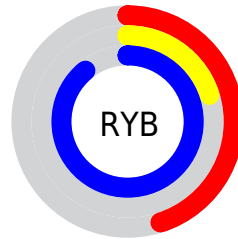
Distribution



Red (45%)

Green (20%)

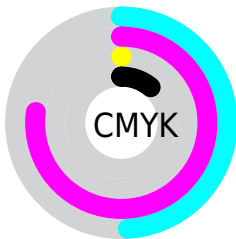
Blue (89%)



Red (45%)

Yellow (20%)

Blue (89%)

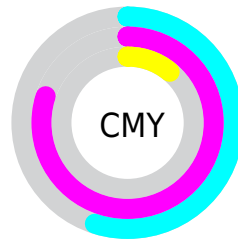


Cyan (49%)

Magenta (77%)

Yellow (0%)

Black (11%)



Cyan (55%)


Magenta (80%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.5716, 0.2072, 0.1084 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 Yxy color 11.5716, 0.2072, 0.1084 by changing the saturation by 10% instead.


 11.5716, 0.2072,
0.1084


 11.5716, 0.2072,
0.1084


201.5482, 0.2699,
0.2127


 6.4527, 0.1899,
0.0871


 28.7124, 0.2316,
0.1433

 3.1222, 0.1676,
0.0635


 41.5031, 0.2404,
0.1574


 1.1959, 0.1386,
0.0385

 57.6199, 0.2476,
0.1697

 0.0583, 0.1031,
0.0032

 77.4471, 0.2536,
0.1805

 0.0000, 0.0556,
0.0000

 101.3691, 0.2587,
0.1900

 0.0000, 0.0000,
0.0000

 129.7703, 0.2630,

0.1984

163.0352, 0.2667,
0.2060

■ 11.5716, 0.2072,
0.1084

■ 11.5716, 0.2072,
0.1084

■ 9.1541, 0.1933,
0.0902

■ 15.0976, 0.2226,
0.1324

■ 7.6729, 0.1815,
0.0783

■ 19.8604, 0.2387,
0.1606

■ 7.3763, 0.1788,
0.0758

■ 25.9707, 0.2545,
0.1914

■ 33.5266, 0.2694,
0.2230

■ 42.6166, 0.2831,
0.2539

■ 53.3220, 0.2952,
0.2832

■ 65.7182, 0.3058,
0.3104

■ 79.8758, 0.3149,
0.3351

■ 95.8613, 0.3226,
0.3572

Harmonies

Analogous

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



11.5716, 0.1042, 0.0901



11.5716, 0.2072, 0.1084



11.5716, 0.4031, 0.1591

Triad

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



11.5716, 0.2072, 0.1084



11.5716, 0.5878, 0.4122



11.5716, 0.0674, 0.3402

Complementary

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



11.5716, 0.2072, 0.1084



62.2430, 0.3613, 0.5290

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.



11.5716, 0.1462, 0.6657



11.5716, 0.2072, 0.1084



11.5716, 0.4350, 0.5650

Square

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



11.5716, 0.2072, 0.1084



11.5716, 0.6778, 0.3110



11.5716, 0.2762, 0.7238



11.5716, 0.0482, 0.1602

Rectangle

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



11.5716, 0.2072, 0.1084



11.5716, 0.5581, 0.2083



11.5716, 0.2762, 0.7238



11.5716, 0.0856, 0.4445

Sweetspot

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



11.5719, 0.2072, 0.1084



61.7833, 0.2885, 0.2667



31.9884, 0.2048, 0.2340



12.1718, 0.2839, 0.2559



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



11.5719, 0.2072, 0.1084



10.7067, 0.1857, 0.0822



20.5156, 0.2949, 0.1533



13.4899, 0.3038, 0.3052



4.2680, 0.1803, 0.0767



0.3457, 0.1976, 0.0862

Inverse Universe

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



21.1179, 0.4068, 0.2203



24.4754, 0.4339, 0.2193



56.1304, 0.3092, 0.5662



13.8448, 0.3194, 0.3144



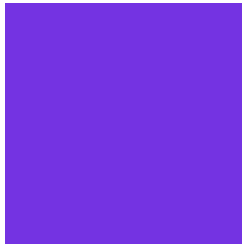
10.3634, 0.4419, 0.2208



0.7355, 0.4183, 0.2078

Previews

White Background



This preview shows how the Yxy color 11.5716, 0.2072, 0.1084 looks on a white background.

Color Contrast Check

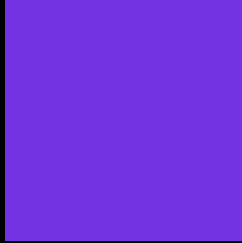
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 11.5716, 0.2072, 0.1084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

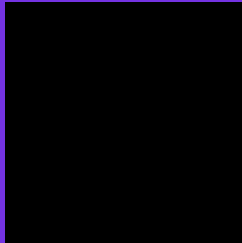
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5716, 0.2072, 0.1084

Background



This preview shows how black text looks on a background with the Yxy color 11.5716, 0.2072, 0.1084.



This preview shows how white text looks on a background with the Yxy color 11.5716, 0.2072, 0.1084.

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

11.5716, 0.2072, 0.1084

Protanopia

11.5493, 0.1747, 0.1487

Deuteranopia

11.5254, 0.1858, 0.1888



Tritanopia

11.5943, 0.2824, 0.3123

Trichromacy



Original Color

11.5716, 0.2072, 0.1084



Protanomaly

10.2562, 0.1743, 0.1212



Deuteranomaly

10.0079, 0.1807, 0.1394



Tritanomaly

10.4877, 0.2453, 0.1966

Monochromacy



Original Color

11.5716, 0.2072, 0.1084



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

9.6856, 0.2597, 0.2030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5716, 0.2072, 0.1084 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(116, 51, 226)` looks like.

```
.text, #text, p{  
    color:rgb(116, 51, 226)  
}
```

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(116, 51, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 51, 226) }
```

Border

The CSS property to change the border of an element to Yxy 11.5716, 0.2072, 0.1084 is called "border". The border property can be set on classes, ids or directly on the HTML element.

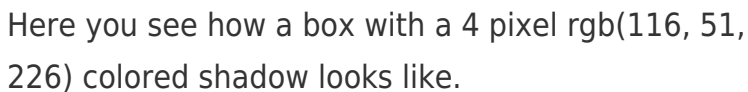
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 51, 226) }
```

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

```
.border{ border-color:rgb(116, 51, 226) }
```

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



Here you see how a box with a 4 pixel rgb(116, 51, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 51, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 51, 226); box-shadow:4px 4px 4px 4px rgb(116, 51, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5716, 0.2072, 0.1084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 51, 226) }
```

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

```
.background{ background-color: rgb(116, 51,  
226) }
```

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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