

Converting Colors

$Y_{xy}(11.7173, 0.1791, 0.1423)$

Have a look what the booklet for
Yxy(11.7173, 0.1791, 0.1423)
contains.

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Color

Yxy(11.7270, 0.1790, 0.1419)

Conversions

Conversions Part 1

Format	Color
Hex	2659C8
RGB	38, 89, 200
RGB Percent	15%, 35%, 78%
CMY	0.8514, 0.6509, 0.2157
CMYK	0.81, 0.55, 0.00, 0.22
HSL	221°, 68%, 47%
HSV	221°, 81%, 78%
XYZ	14.7930, 11.7270, 56.1227
YIQ	86.4050, -66.0270, 23.7090

Conversions

Conversions Part 2

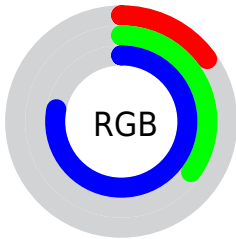
Format	Color
R _Y B	38, 77, 200
Decimal	2513352
CIE Lab	40.78, 24.22, -62.46
CIE LCh	41, 66.993, 291.191
Yxy	11.7270, 0.1790, 0.1419
Android (android.graphics.Color)	4280703432 (0xFF2659C8)
YUV	86.4050, 56.0023, -42.4512
Hunter-Lab	34.2447, 17.1803, -73.1974

Details

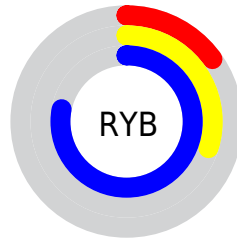
The Yxy color **11.7270, 0.1790, 0.1419** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **33.8718, 0.4635, 0.4499**, and the grayscale version is **9.2807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7120, 0.2089, 0.1787**, and **3.9211, 0.1626, 0.1054** is the 20% darker color. If you saturate the color by 10%, you get **9.3736, 0.1686, 0.1197**, and if you desaturate by 10%, it is **14.7087, 0.1924, 0.1666**.

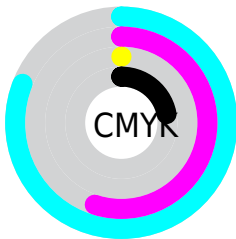
Distribution



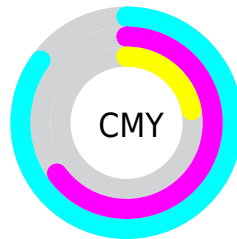
- Red (15%)
- Green (35%)
- Blue (78%)



- Red (15%)
- Yellow (30%)
- Blue (78%)



- Cyan (81%)
- Magenta (55%)
- Yellow (0%)
- Black (22%)



- Cyan (85%)
- Magenta (65%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7270, 0.1790, 0.1419 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 11.7270, 0.1790, 0.1419 by changing the saturation by 10% instead.

■ 11.7270, 0.1790,
0.1419

■ 11.7270, 0.1790,
0.1419

■ 202.5895, 0.2549,
0.2396

■ 6.5581, 0.1586,
0.1188

■ 28.9969, 0.2080,
0.1771

■ 3.1873, 0.1327,
0.0911

■ 41.8667, 0.2186,
0.1905

■ 1.2303, 0.0998,
0.0593

■ 58.0722, 0.2273,
0.2019

■ 0.0862, 0.0604,
0.0077

■ 77.9978, 0.2347,
0.2117

■ 0.0000, 0.0000,
0.0000

■ 102.0279, 0.2409,
0.2201

130.5470, 0.2462,

0.2274

163.9394, 0.2508,
0.2339

■ 11.7270, 0.1790,
0.1419

■ 11.7270, 0.1790,
0.1419

■ 9.3736, 0.1686,
0.1197

■ 14.7087, 0.1924,
0.1666

■ 7.7328, 0.1618,
0.1025

■ 18.3682, 0.2082,
0.1926

■ 22.7503, 0.2255,
0.2188

■ 27.8950, 0.2435,
0.2441

■ 33.8392, 0.2615,
0.2679

■ 40.6172, 0.2790,
0.2898

■ 48.2612, 0.2956,
0.3096

■ 56.8016, 0.3112,
0.3273

■ 66.2672, 0.3255,
0.3428

Harmonies

Analogous

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



11.7270, 0.1200, 0.1436



11.7270, 0.1790, 0.1419



11.7270, 0.2890, 0.1702

Triad

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



11.7270, 0.1790, 0.1419



11.7270, 0.5791, 0.3789



11.7270, 0.1716, 0.4651

Complementary

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



11.7270, 0.1790, 0.1419



33.8718, 0.4635, 0.4499

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.



11.7270, 0.2778, 0.6004



11.7270, 0.1790, 0.1419



11.7270, 0.5121, 0.4763

Square

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



11.7270, 0.1790, 0.1419



11.7270, 0.5621, 0.2990



11.7270, 0.3991, 0.5740



11.7270, 0.1120, 0.2852

Rectangle

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



11.7270, 0.1790, 0.1419



11.7270, 0.3890, 0.2050



11.7270, 0.3991, 0.5740



11.7270, 0.2032, 0.5258

Sweetspot

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



11.7273, 0.1790, 0.1419



66.3021, 0.2733, 0.2829



43.8744, 0.2531, 0.4137



13.2848, 0.2670, 0.2749



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.



11.7273, 0.1790, 0.1419



13.8704, 0.1631, 0.1055



6.7644, 0.1785, 0.0896



10.8243, 0.2983, 0.3127



5.0604, 0.1625, 0.1050



0.3709, 0.1745, 0.1483

Inverse Universe

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



14.3794, 0.5106, 0.2790



22.0924, 0.5670, 0.2914



50.0211, 0.3874, 0.5149



10.6911, 0.3241, 0.3217



8.0508, 0.5684, 0.2905



0.3945, 0.5081, 0.2573

Previews

White Background



This preview shows how the Yxy color 11.7270, 0.1790, 0.1419 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 11.7270, 0.1790, 0.1419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

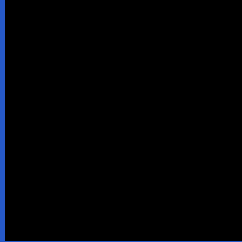
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7270, 0.1790, 0.1419

Background



This preview shows how black text looks on a background with the Yxy color 11.7270, 0.1790, 0.1419.



This preview shows how white text looks on a background with the Yxy color 11.7270, 0.1790, 0.1419.

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

11.7270, 0.1790, 0.1419

Protanopia

11.6398, 0.1742, 0.1470

Deuteranopia

11.5999, 0.1851, 0.1862



Tritanopia

11.5003, 0.2196, 0.3104

Trichromacy



Original Color

11.7270, 0.1790, 0.1419

Protanomaly

11.6068, 0.1752, 0.1452

Deuteranomaly

11.5731, 0.1818, 0.1681

Tritanomaly

11.2520, 0.1988, 0.2271

Monochromacy



Original Color

11.7270, 0.1790, 0.1419

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.6139, 0.2380, 0.2360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7270, 0.1790, 0.1419 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(38, 89, 200)` looks like.

```
.text, #text, p{  
    color:rgb(38, 89, 200)  
}
```

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(38, 89, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 89, 200) }
```

Border

The CSS property to change the border of an element to Yxy 11.7270, 0.1790, 0.1419 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(38, 89, 200) }
```

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

```
.border{ border-color:rgb(38, 89, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 89, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 89, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 89, 200);  
box-shadow:4px 4px 4px 4px rgb(38, 89,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7270, 0.1790, 0.1419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 89, 200) }
```

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

```
.background{ background-color: rgb(38, 89,  
200) }
```

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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