

Converting Colors

$Y_{xy}(27.5719, 0.2235, 0.2088)$

Have a look what the booklet for
Yxy(27.5719, 0.2235, 0.2088)
contains.

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Color

Yxy(27.5719, 0.2235, 0.2087)

Conversions

Conversions Part 1

Format	Color
Hex	6F8CE1
RGB	111, 140, 225
RGB Percent	44%, 55%, 88%
CMY	0.5646, 0.4510, 0.1176
CMYK	0.51, 0.38, 0.00, 0.12
HSL	225°, 66%, 66%
HSV	225°, 51%, 88%
XYZ	29.5272, 27.5719, 75.0135
YIQ	141.0190, -44.5690, 20.2870

Conversions

Conversions Part 2

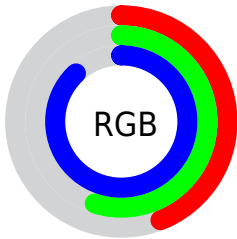
Format	Color
R_{YB}	111, 134, 225
Decimal	7310561
CIE _{Lab}	59.50, 13.20, -46.47
CIE _{LCh}	59, 48.307, 285.862
Yxy	27.5719, 0.2235, 0.2087
Android (android.graphics.Color)	4285500641 (0xFF6F8CE1)
YUV	141.0190, 41.4026, -26.3267
Hunter-Lab	52.5090, 8.4846, -47.9446

Details

The Yxy color **27.5719, 0.2235, 0.2087** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **56.6558, 0.4021, 0.4244**, and the grayscale version is **26.4932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6848, 0.2547, 0.2567**, and **10.8807, 0.1963, 0.1753** is the 20% darker color. If you saturate the color by 10%, you get **21.7564, 0.2053, 0.1803**, and if you desaturate by 10%, it is **34.5049, 0.2424, 0.2365**.

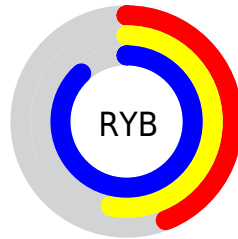
Distribution



Red (44%)

Green (55%)

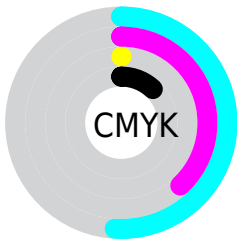
Blue (88%)



Red (44%)

Yellow (53%)

Blue (88%)

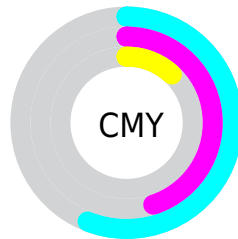


Cyan (51%)

Magenta (38%)

Yellow (0%)

Black (12%)



Cyan (56%)


Magenta (45%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5719, 0.2235, 0.2087 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 27.5719, 0.2235, 0.2087 by changing the saturation by 10% instead.


 27.5719, 0.2235,
0.2087


 27.5719, 0.2235,
0.2087


290.4156, 0.2702,
0.2691


 18.0032, 0.2116,
0.1941


 55.8002, 0.2407,
0.2304

 10.9523, 0.1964,
0.1758


 75.2287, 0.2472,
0.2386

 6.0348, 0.1764,
0.1526


 98.7124, 0.2526,
0.2456

 2.8662, 0.1496,
0.1228

126.6360, 0.2571,
0.2517

 1.0623, 0.1131,
0.0847

159.3837, 0.2611,
0.2569

 0.0000, 0.0481,
0.0000

197.3399, 0.2645,

 0.0000, 0.0000,

0.2615

0.0000

240.8891, 0.2676,
0.2655

■ 27.5719, 0.2235,
0.2087

■ 27.5719, 0.2235,
0.2087

■ 21.7564, 0.2053,
0.1803

■ 34.5049, 0.2424,
0.2365

■ 16.9935, 0.1888,
0.1525

■ 42.6093, 0.2611,
0.2627

■ 13.2156, 0.1749,
0.1267


■ 51.9389, 0.2792,
0.2868


■ 10.3448, 0.1644,
0.1045

■ 62.5432, 0.2961,
0.3085

■ 8.3838, 0.1577,
0.0878

■ 74.4687, 0.3117,
0.3278

 87.7599, 0.3260,
0.3448

 98.2173, 0.3303,
0.3581

Harmonies

Analogous

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



27.5719, 0.1854, 0.2179



27.5719, 0.2235, 0.2087



27.5719, 0.2889, 0.2243

Triad

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



27.5719, 0.2235, 0.2087



27.5719, 0.4717, 0.3694



27.5719, 0.2469, 0.4141

Complementary

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



27.5719, 0.2235, 0.2087



56.6558, 0.4021, 0.4244

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.



27.5719, 0.3195, 0.4713



27.5719, 0.2235, 0.2087



27.5719, 0.4514, 0.4268

Square

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



27.5719, 0.2235, 0.2087



27.5719, 0.4421, 0.3117



27.5719, 0.3943, 0.4697



27.5719, 0.1961, 0.3275

Rectangle

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



27.5719, 0.2235, 0.2087



27.5719, 0.3431, 0.2466



27.5719, 0.3943, 0.4697



27.5719, 0.2695, 0.4388

Sweetspot

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



27.5729, 0.2235, 0.2087



76.5841, 0.2887, 0.2992



61.1645, 0.2618, 0.3698



15.7564, 0.2851, 0.2945



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.



27.5729, 0.2235, 0.2087



28.3613, 0.2040, 0.1781



22.1799, 0.2360, 0.1763



13.8068, 0.2981, 0.3110



4.9888, 0.1584, 0.0902



0.4878, 0.1666, 0.1199

Inverse Universe

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



29.2761, 0.4188, 0.2956



32.1331, 0.4561, 0.2908



67.0720, 0.3657, 0.4611



13.7574, 0.3252, 0.3231



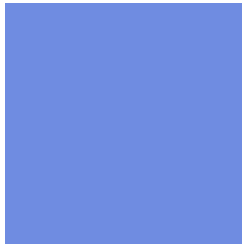
9.4117, 0.5908, 0.3028



0.6667, 0.5468, 0.2786

Previews

White Background



This preview shows how the Yxy color 27.5719, 0.2235, 0.2087 looks on a white background.

Color Contrast Check

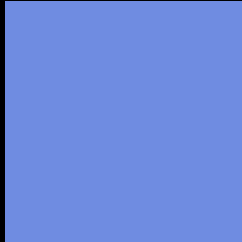
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 27.5719, 0.2235, 0.2087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

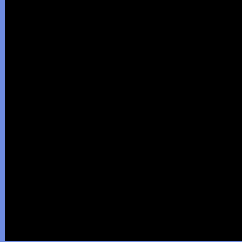
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5719, 0.2235, 0.2087

Background



This preview shows how black text looks on a background with the Yxy color 27.5719, 0.2235, 0.2087.



This preview shows how white text looks on a background with the Yxy color 27.5719, 0.2235, 0.2087.

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

27.5719, 0.2235, 0.2087

Protanopia

27.5719, 0.2235, 0.2087

Deuteranopia

27.6794, 0.2179, 0.2122



Tritanopia

27.7744, 0.2507, 0.3081

Trichromacy



Original Color

27.5719, 0.2235, 0.2087

Protanomaly

27.5719, 0.2235, 0.2087

Deuteranomaly

27.6114, 0.2198, 0.2113

Tritanomaly

27.4203, 0.2396, 0.2659

Monochromacy



Original Color

27.5719, 0.2235, 0.2087

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.7741, 0.2733, 0.2796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5719, 0.2235, 0.2087 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(111, 140, 225)` looks like.

```
.text, #text, p{  
    color:rgb(111, 140, 225)  
}
```

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(111, 140, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 140, 225) }
```

Border

The CSS property to change the border of an element to Yxy 27.5719, 0.2235, 0.2087 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(111, 140, 225) }
```

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

```
.border{ border-color:rgb(111, 140, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 140, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 140, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 140, 225);  
box-shadow:4px 4px 4px 4px rgb(111, 140,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5719, 0.2235, 0.2087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 140, 225) }
```

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

```
.background{ background-color: rgb(111,  
140, 225) }
```

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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