

Converting Colors

$Yxy(30.9847, 0.1861, 0.1462)$

Have a look what the booklet for
Yxy(30.9847, 0.1861, 0.1462)
contains.

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Color

Yxy(27.7115, 0.1985, 0.1762)

Conversions

Conversions Part 1

Format	Color
Hex	578BFF
RGB	87, 139, 255
RGB Percent	34%, 55%, 100%
CMY	0.6587, 0.4549, 0.0000
CMYK	0.66, 0.45, 0.00, 0.00
HSL	221°, 100%, 67%
HSV	221°, 66%, 100%
XYZ	31.2187, 27.7115, 98.3428
YIQ	136.6760, -68.2280, 25.0520

Conversions

Conversions Part 2

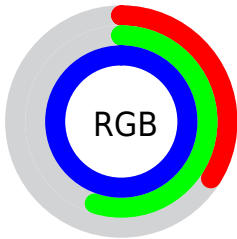
Format	Color
R _Y B	87, 127, 255
Decimal	5737471
CIE Lab	59.63, 19.00, -62.93
CIE LCh	60, 65.741, 286.801
Yxy	27.7115, 0.1985, 0.1762
Android (android.graphics.Color)	4283927551 (0xFF578BFF)
YUV	136.6760, 58.3337, -43.5659
Hunter-Lab	52.6417, 13.7348, -73.9136

Details

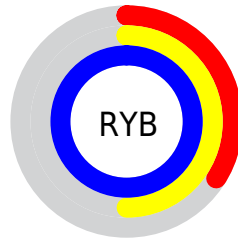
The Yxy color **27.7115, 0.1985, 0.1762** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **64.6743, 0.4372, 0.4396**, and the grayscale version is **24.6836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5947, 0.2451, 0.2537**, and **11.3435, 0.1730, 0.1429** is the 20% darker color. If you saturate the color by 10%, you get **21.9961, 0.1838, 0.1503**, and if you desaturate by 10%, it is **34.6784, 0.2154, 0.2030**.

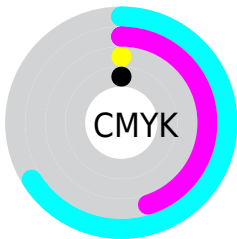
Distribution



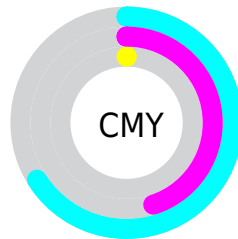
- Red (34%)
- Green (55%)
- Blue (100%)



- Red (34%)
- Yellow (50%)
- Blue (100%)



- Cyan (66%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7115, 0.1985, 0.1762 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 27.7115, 0.1985, 0.1762 by changing the saturation by 10% instead.


 27.7115, 0.1985,
0.1762


 27.7115, 0.1985,
0.1762


291.0858, 0.2566,
0.2495


 18.1083, 0.1846,
0.1598


 56.0235, 0.2194,
0.2016


 11.0278, 0.1673,
0.1400


 75.5011, 0.2273,
0.2115

 6.0855, 0.1457,
0.1162


 99.0389, 0.2341,
0.2201

 2.8971, 0.1185,
0.0878

 127.0214, 0.2399,
0.2276

 1.0783, 0.0848,
0.0554

159.8330, 0.2449,
0.2341

 0.0000, 0.0412,
0.0000

197.8579, 0.2493,

 0.0000, 0.0000,

0.2398

0.0000

241.4807, 0.2532,
0.2450

■ 27.7115, 0.1985,
0.1762

■ 27.7115, 0.1985,
0.1762

■ 21.9961, 0.1838,
0.1503

■ 34.6784, 0.2154,
0.2030

■ 17.4498, 0.1719,
0.1266

■ 42.9793, 0.2334,
0.2295

■ 13.9689, 0.1635,
0.1061

■ 52.6832, 0.2518,
0.2548

■ 12.7966, 0.1608,
0.0987

■ 63.8555, 0.2700,
0.2783

■ 76.5571, 0.2874,
0.2997

90.8452, 0.3037,
0.3188

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.7115, 0.1519, 0.1841



27.7115, 0.1985, 0.1762



27.7115, 0.2821, 0.1967

Triad

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



27.7115, 0.1985, 0.1762



27.7115, 0.5234, 0.3736



27.7115, 0.2195, 0.4449

Complementary

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



27.7115, 0.1985, 0.1762



64.6743, 0.4372, 0.4396

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.



27.7115, 0.3112, 0.5275



27.7115, 0.1985, 0.1762



27.7115, 0.4875, 0.4481

Square

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



27.7115, 0.1985, 0.1762



27.7115, 0.4902, 0.3037



27.7115, 0.4082, 0.5143



27.7115, 0.1592, 0.3188

Rectangle

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



27.7115, 0.1985, 0.1762



27.7115, 0.3551, 0.2243



27.7115, 0.4082, 0.5143



27.7115, 0.2477, 0.4821

Sweetspot

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



27.7099, 0.1985, 0.1762



71.1277, 0.2803, 0.2911



77.8023, 0.2565, 0.3964



14.4652, 0.2754, 0.2851



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.



27.7099, 0.1985, 0.1762



20.4540, 0.1797, 0.1426



17.8785, 0.2017, 0.1247



18.2944, 0.2979, 0.3121



6.9180, 0.1616, 0.1016



0.8579, 0.1677, 0.1236

Inverse Universe

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



29.9436, 0.4615, 0.2802



25.1147, 0.5092, 0.2799



88.0883, 0.3819, 0.4927



18.0796, 0.3245, 0.3217



11.4263, 0.5735, 0.2933



1.1312, 0.5415, 0.2757

Previews

White Background



This preview shows how the Yxy color 27.7115, 0.1985, 0.1762 looks on a white background.

Color Contrast Check

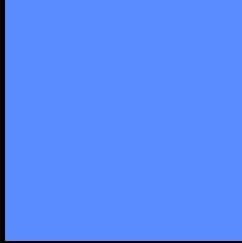
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7115, 0.1985, 0.1762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

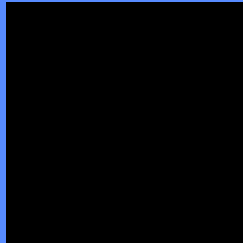
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7115, 0.1985, 0.1762

Background



This preview shows how black text looks on a background with the Yxy color 27.7115, 0.1985, 0.1762.



This preview shows how white text looks on a background with the Yxy color 27.7115, 0.1985, 0.1762.

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

27.7115, 0.1985, 0.1762

Protanopia

27.7599, 0.1989, 0.1764

Deuteranopia

27.8577, 0.1871, 0.1805



Tritanopia

27.6552, 0.2218, 0.3054

Trichromacy



Original Color

27.7115, 0.1985, 0.1762

Protanomaly

27.7599, 0.1989, 0.1764

Deuteranomaly

27.6705, 0.1901, 0.1790

Tritanomaly

27.0756, 0.2095, 0.2461

Monochromacy



Original Color

27.7115, 0.1985, 0.1762

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.3942, 0.2568, 0.2615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7115, 0.1985, 0.1762 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(87, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 139, 255)  
}
```

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(87, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 139, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.7115, 0.1985, 0.1762 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(87, 139, 255) }
```

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

```
.border{ border-color:rgb(87, 139, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 139,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7115, 0.1985, 0.1762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 139, 255) }
```

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

```
.background{ background-color: rgb(87, 139,  
255) }
```

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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