

Converting Colors

$Y_{xy}(26.2973, 0.2050, 0.1757)$

Have a look what the booklet for
Yxy(26.2973, 0.2050, 0.1757)
contains.

Yxy(26.3239, 0.2047, 0.1753)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(26.3239, 0.2047, 0.1753)

Conversions

Conversions Part 1

Format	Color
Hex	6485F9
RGB	100, 133, 249
RGB Percent	39%, 52%, 98%
CMY	0.6081, 0.4784, 0.0234
CMYK	0.60, 0.47, 0.00, 0.02
HSL	227°, 93%, 68%
HSV	227°, 60%, 98%
XYZ	30.7387, 26.3239, 93.1022
YIQ	136.3570, -56.9040, 29.0800

Conversions

Conversions Part 2

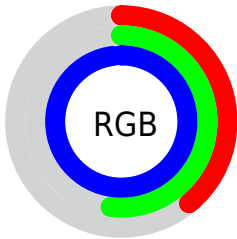
Format	Color
RYB	100, 127, 249
Decimal	6587897
CIELab	58.34, 22.76, -61.65
CIELCh	58, 65.718, 290.262
Yxy	26.3239, 0.2047, 0.1753
Android (android.graphics.Color)	4284777977 (0xFF6485F9)
YUV	136.3570, 55.5330, -31.8851
Hunter-Lab	51.3068, 17.1553, -71.6738

Details

The Yxy color **26.3239, 0.2047, 0.1753** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **70.1473, 0.4167, 0.4435**, and the grayscale version is **24.5609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9149, 0.2493, 0.2473**, and **10.2750, 0.1739, 0.1381** is the 20% darker color. If you saturate the color by 10%, you get **20.2903, 0.1877, 0.1465**, and if you desaturate by 10%, it is **33.7716, 0.2234, 0.2049**.

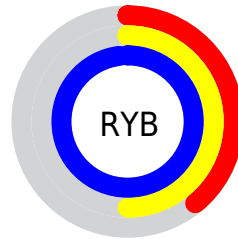
Distribution



Red (39%)

Green (52%)

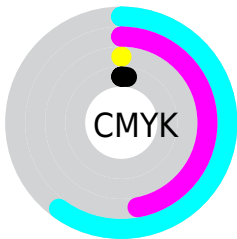
Blue (98%)



Red (39%)

Yellow (50%)

Blue (98%)

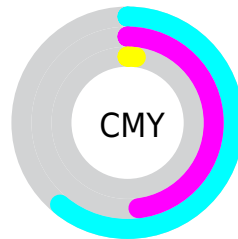


Cyan (60%)

Magenta (47%)

Yellow (0%)

Black (2%)



Cyan (61%)


Magenta (48%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.3239, 0.2047, 0.1753 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 26.3239, 0.2047, 0.1753 by changing the saturation by 10% instead.


 26.3239, 0.2047,
0.1753


 26.3239, 0.2047,
0.1753

284.3685, 0.2606,
0.2493


 17.0661, 0.1910,
0.1586


 53.7970, 0.2250,
0.2010

 10.2816, 0.1739,
0.1385


 72.7811, 0.2326,
0.2111

 5.5861, 0.1522,
0.1143


 95.7761, 0.2391,
0.2197

 2.5951, 0.1246,
0.0853

123.1664, 0.2447,
0.2272

 0.9242, 0.0897,
0.0524

155.3364, 0.2495,
0.2338

 0.0000, 0.0417,
0.0000

192.6705, 0.2536,

 0.0000, 0.0000,

0.2396

0.0000

235.5531, 0.2573,
0.2447

■ 26.3239, 0.2047,
0.1753

■ 26.3239, 0.2047,
0.1753

■ 20.2903, 0.1877,
0.1465

■ 33.7716, 0.2234,
0.2049

■ 15.5735, 0.1734,
0.1203

■ 42.7165, 0.2428,
0.2339

■ 12.0663, 0.1627,
0.0981

■ 53.2379, 0.2620,
0.2613


■ 9.6233, 0.1559,
0.0811

■ 65.4087, 0.2803,
0.2865

■ 9.5971, 0.1558,
0.0809

■ 79.2970, 0.2973,
0.3092

 94.9672, 0.3129,
0.3292

 99.6210, 0.3162,
0.3347

Harmonies

Analogous

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



26.3239, 0.1535, 0.1796



26.3239, 0.2047, 0.1753



26.3239, 0.2936, 0.1991

Triad

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



26.3239, 0.2047, 0.1753



26.3239, 0.5255, 0.3821



26.3239, 0.2088, 0.4325

Complementary

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



26.3239, 0.2047, 0.1753



70.1473, 0.4167, 0.4435

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.



26.3239, 0.2991, 0.5267



26.3239, 0.2047, 0.1753



26.3239, 0.4819, 0.4577

Square

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



26.3239, 0.2047, 0.1753



26.3239, 0.5009, 0.3108



26.3239, 0.3981, 0.5224



26.3239, 0.1527, 0.3050

Rectangle

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



26.3239, 0.2047, 0.1753



26.3239, 0.3692, 0.2287



26.3239, 0.3981, 0.5224



26.3239, 0.2362, 0.4728

Sweetspot

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



26.3247, 0.2047, 0.1753



71.6009, 0.2835, 0.2909



75.3387, 0.2536, 0.3725



14.4643, 0.2784, 0.2840



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.



26.3247, 0.2047, 0.1753



20.1926, 0.1842, 0.1404



21.4914, 0.2220, 0.1472



17.2674, 0.2979, 0.3100



5.3075, 0.1565, 0.0832



0.6419, 0.1623, 0.1043

Inverse Universe

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



30.9396, 0.4582, 0.2962



26.9904, 0.5073, 0.2947



82.2790, 0.3691, 0.4856



17.2883, 0.3259, 0.3238



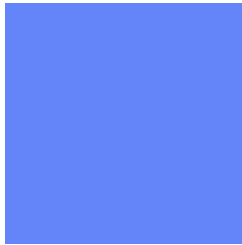
10.9467, 0.6018, 0.3089



1.0290, 0.5695, 0.2911

Previews

White Background



This preview shows how the Yxy color 26.3239, 0.2047, 0.1753 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 26.3239, 0.2047, 0.1753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

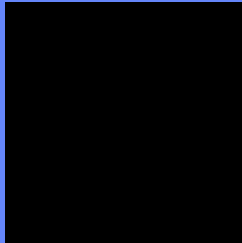
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.3239, 0.2047, 0.1753

Background



This preview shows how black text looks on a background with the Yxy color 26.3239, 0.2047, 0.1753.



This preview shows how white text looks on a background with the Yxy color 26.3239, 0.2047, 0.1753.

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

26.3239, 0.2047, 0.1753

Protanopia

26.4756, 0.1969, 0.1741

Deuteranopia

26.5750, 0.1884, 0.1824



Tritanopia

26.1972, 0.2332, 0.3053

Trichromacy



Original Color

26.3239, 0.2047, 0.1753

Protanomaly

26.4168, 0.1995, 0.1745

Deuteranomaly

26.3325, 0.1924, 0.1791

Tritanomaly

25.7728, 0.2201, 0.2459

Monochromacy



Original Color

26.3239, 0.2047, 0.1753

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.7132, 0.2620, 0.2614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3239, 0.2047, 0.1753 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(100, 133, 249)` looks like.

```
.text, #text, p{  
    color:rgb(100, 133, 249)  
}
```

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(100, 133, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 133, 249) }
```

Border

The CSS property to change the border of an element to Yxy 26.3239, 0.2047, 0.1753 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(100, 133, 249) }
```

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

```
.border{ border-color:rgb(100, 133, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 133, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 133, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 133, 249);  
box-shadow:4px 4px 4px 4px rgb(100, 133,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 26.3239, 0.2047, 0.1753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 133, 249) }
```

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

```
.background{ background-color: rgb(100,  
133, 249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor