

Converting Colors

$Yxy(25.3702, 0.1818, 0.1682)$

Have a look what the booklet for
Yxy(25.3702, 0.1818, 0.1682)
contains.

Yxy(25.3180, 0.1817, 0.1679)	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(25.3180, 0.1817, 0.1679)

Conversions

Conversions Part 1

Format	Color
Hex	1989FF
RGB	25, 137, 255
RGB Percent	10%, 54%, 100%
CMY	0.9021, 0.4628, 0.0000
CMYK	0.90, 0.46, 0.00, 0.00
HSL	211°, 100%, 55%
HSV	211°, 90%, 100%
XYZ	27.3989, 25.3180, 98.0752
YIQ	116.9640, -104.6300, 12.9540

Conversions

Conversions Part 2

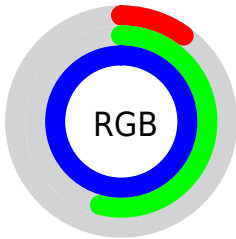
Format	Color
R _Y B	25, 100, 255
Decimal	1673727
CIE Lab	57.38, 13.98, -66.63
CIE LCh	57, 68.079, 281.854
Yxy	25.3180, 0.1817, 0.1679
Android (android.graphics.Color)	4279863807 (0xFF1989FF)
YUV	116.9640, 68.0517, -80.6524
Hunter-Lab	50.3170, 9.1432, -80.3430

Details

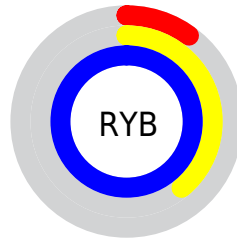
The Yxy color **25.3180, 0.1817, 0.1679** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **40.9643, 0.5211, 0.4166**, and the grayscale version is **17.5833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8288, 0.2268, 0.2476**, and **11.0107, 0.1722, 0.1397** is the 20% darker color. If you saturate the color by 10%, you get **21.6836, 0.1751, 0.1501**, and if you desaturate by 10%, it is **29.7476, 0.1908, 0.1873**.

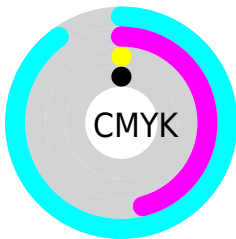
Distribution



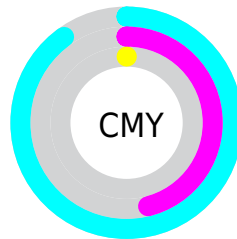
- Red (10%)
- Green (54%)
- Blue (100%)



- Red (10%)
- Yellow (39%)
- Blue (100%)



- Cyan (90%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)





- Cyan (90%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3180, 0.1817, 0.1679 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 25.3180, 0.1817, 0.1679 by changing the saturation by 10% instead.


 25.3180, 0.1817,
0.1679


 25.3180, 0.1817,
0.1679


279.4179, 0.2479,
0.2459

 16.3141, 0.1661,
0.1505


 52.1726, 0.2053,
0.1949

 9.7467, 0.1471,
0.1297


 70.7922, 0.2143,
0.2055


 5.2313, 0.1237,
0.1048


 93.3858, 0.2220,
0.2146

 2.3836, 0.0952,
0.0758

 120.3378, 0.2287,
0.2226

 0.8174, 0.0618,
0.0439

 152.0326, 0.2344,
0.2295

 0.0000, 0.0067,
0.0000

188.8547, 0.2395,

 0.0000, 0.0000,

0.2356

0.0000

231.1883, 0.2440,
0.2410

■ 25.3180, 0.1817,
0.1679

■ 25.3180, 0.1817,
0.1679

■ 21.6836, 0.1751,
0.1501

■ 29.7476, 0.1908,
0.1873

■ 35.0058, 0.2024,
0.2075

■ 41.1582, 0.2161,
0.2278

■ 48.2623, 0.2312,
0.2477

■ 56.3696, 0.2474,
0.2666

■ 65.5271, 0.2640,
0.2844

■ 75.7783, 0.2806,
0.3007

■ 87.1639, 0.2968,
0.3155

■ 99.7221, 0.3124,
0.3287

Harmonies

Analogous

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



25.3180, 0.1396, 0.1808



25.3180, 0.1817, 0.1679



25.3180, 0.2626, 0.1847

Triad

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



25.3180, 0.1817, 0.1679



25.3180, 0.5357, 0.3608



25.3180, 0.2271, 0.4747

Complementary

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



25.3180, 0.1817, 0.1679



40.9643, 0.5211, 0.4166

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.



25.3180, 0.3260, 0.5461



25.3180, 0.1817, 0.1679



25.3180, 0.5061, 0.4383

Square

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



25.3180, 0.1817, 0.1679



25.3180, 0.4885, 0.2896



25.3180, 0.4266, 0.5140



25.3180, 0.1580, 0.3380

Rectangle

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



25.3180, 0.1817, 0.1679



25.3180, 0.3372, 0.2107



25.3180, 0.4266, 0.5140



25.3180, 0.2582, 0.5107

Sweetspot

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



25.3168, 0.1817, 0.1679



68.6975, 0.2693, 0.2898



73.6191, 0.2701, 0.4864



13.9833, 0.2637, 0.2841



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.



25.3168, 0.1817, 0.1679



21.6836, 0.1751, 0.1501



8.1198, 0.1539, 0.0665



18.8382, 0.2979, 0.3165



11.6267, 0.1759, 0.1531



1.3498, 0.1817, 0.1740

Inverse Universe

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



23.7597, 0.4818, 0.2483



22.7201, 0.5057, 0.2560



92.8500, 0.4176, 0.5024



18.1345, 0.3217, 0.3175



11.9017, 0.5019, 0.2539



1.1808, 0.4758, 0.2395

Previews

White Background



This preview shows how the Yxy color 25.3180, 0.1817, 0.1679 looks on a white background.

Color Contrast Check

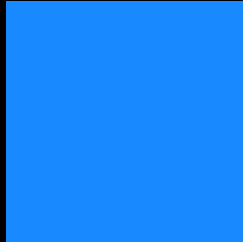
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.3180, 0.1817, 0.1679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

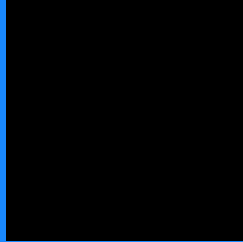
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

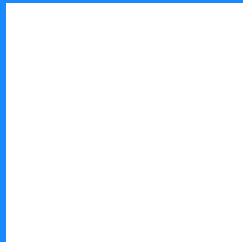
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.3180, 0.1817, 0.1679

Background



This preview shows how black text looks on a background with the Yxy color 25.3180, 0.1817, 0.1679.



This preview shows how white text looks on a background with the Yxy color 25.3180, 0.1817, 0.1679.

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

25.3180, 0.1817, 0.1679

Protanopia

25.3179, 0.1939, 0.1701

Deuteranopia

25.0578, 0.1828, 0.1782



Tritanopia

25.0651, 0.2194, 0.3098

Trichromacy



Original Color

25.3180, 0.1817, 0.1679

Protanomaly

24.9780, 0.1878, 0.1685

Deuteranomaly

25.0746, 0.1821, 0.1736

Tritanomaly

24.9110, 0.2023, 0.2457

Monochromacy



Original Color

25.3180, 0.1817, 0.1679

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.0901, 0.2340, 0.2504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3180, 0.1817, 0.1679 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(25, 137, 255)` looks like.

```
.text, #text, p{  
    color:rgb(25, 137, 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(25, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 137, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.3180, 0.1817, 0.1679 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(25, 137, 255) }
```

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

```
.border{ border-color:rgb(25, 137, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 137, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 137, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 137, 255);  
box-shadow:4px 4px 4px 4px rgb(25, 137,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3180, 0.1817, 0.1679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 137, 255) }
```

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

```
.background{ background-color: rgb(25, 137,  
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](#).

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