

Converting Colors

$Y_{xy}(30.2785, 0.1884, 0.1903)$

Have a look what the booklet for
Yxy(30.2785, 0.1884, 0.1903)
contains.

Yxy(30.2785, 0.1884, 0.1903)	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(30.2785, 0.1884, 0.1903)

Conversions

Conversions Part 1

Format	Color
Hex	1E99FF
RGB	30, 153, 255
RGB Percent	12%, 60%, 100%
CMY	0.8818, 0.4000, 0.0001
CMYK	0.88, 0.40, 0.00, 0.00
HSL	207°, 100%, 56%
HSV	207°, 88%, 100%
XYZ	29.9762, 30.2785, 98.8546
YIQ	127.8510, -106.0500, 5.6460

Conversions

Conversions Part 2

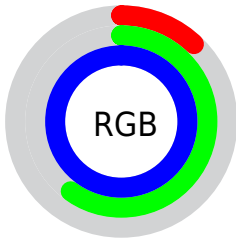
Format	Color
R _Y B	30, 110, 255
Decimal	2005503
CIE Lab	61.89, 4.59, -59.36
CIE LCh	62, 59.539, 274.425
Yxy	30.2785, 0.1884, 0.1903
Android (android.graphics.Color)	4280195583 (0xFF1E99FF)
YUV	127.8510, 62.6845, -85.8153
Hunter-Lab	55.0259, 0.9452, -67.9970

Details

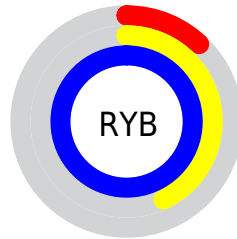
The Yxy color **30.2785, 0.1884, 0.1903** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **37.8840, 0.5317, 0.4050**, and the grayscale version is **21.3528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6972, 0.2318, 0.2699**, and **13.7777, 0.1788, 0.1638** is the 20% darker color. If you saturate the color by 10%, you get **26.4272, 0.1818, 0.1735**, and if you desaturate by 10%, it is **34.8026, 0.1973, 0.2079**.

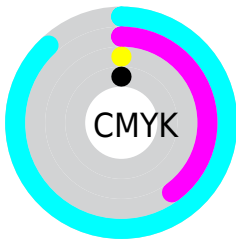
Distribution



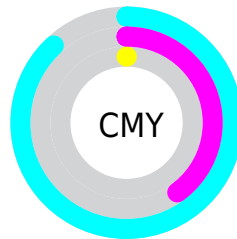
- Red (12%)
- Green (60%)
- Blue (100%)



- Red (12%)
- Yellow (43%)
- Blue (100%)



- Cyan (88%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (88%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2785, 0.1884, 0.1903 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 30.2785, 0.1884, 0.1903 by changing the saturation by 10% instead.

 30.2785, 0.1884,
0.1903


 30.2785, 0.1884,
0.1903


303.2005, 0.2500,
0.2581


 20.0501, 0.1740,
0.1747


 60.1023, 0.2102,
0.2141


 12.4314, 0.1564,
0.1558


 80.4665, 0.2186,
0.2233


 7.0382, 0.1346,
0.1325


 104.9781, 0.2258,
0.2312

 3.4860, 0.1076,
0.1041

 134.0214, 0.2320,
0.2381

 1.3904, 0.0749,
0.0704

 167.9810, 0.2374,
0.2440

 0.2097, 0.0296,
0.0199

207.2410, 0.2421,

 0.0000, 0.0000,

0.2493

0.0000

252.1861, 0.2463,
0.2540

■ 30.2785, 0.1884,
0.1903

■ 30.2785, 0.1884,
0.1903

■ 26.4272, 0.1818,
0.1735

■ 34.8026, 0.1973,
0.2079

■ 25.7806, 0.1807,
0.1705

■ 40.0755, 0.2085,
0.2258

■ 46.1576, 0.2216,
0.2437

■ 53.1007, 0.2362,
0.2610

■ 60.9509, 0.2518,
0.2774

■ 69.7503, 0.2679,
0.2927

■ 79.5378, 0.2841,
0.3068

■ 90.3500, 0.3000,
0.3196

■ 99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



30.2785, 0.1581, 0.2112



30.2785, 0.1884, 0.1903



30.2785, 0.2512, 0.1984

Triad

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



30.2785, 0.1884, 0.1903



30.2785, 0.4954, 0.3461



30.2785, 0.2634, 0.4675

Complementary

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



30.2785, 0.1884, 0.1903



37.8840, 0.5317, 0.4050

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.



30.2785, 0.3514, 0.5076



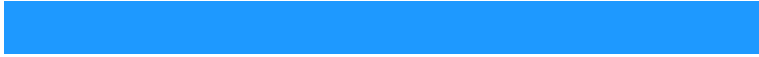
30.2785, 0.1884, 0.1903



30.2785, 0.4898, 0.4130

Square

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



30.2785, 0.1884, 0.1903



30.2785, 0.4388, 0.2833



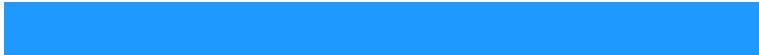
30.2785, 0.4340, 0.4759



30.2785, 0.1939, 0.3657

Rectangle

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



30.2785, 0.1884, 0.1903



30.2785, 0.3101, 0.2178



30.2785, 0.4340, 0.4759



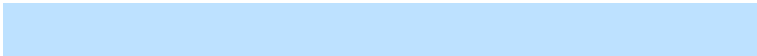
30.2785, 0.2919, 0.4900

Sweetspot

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



30.2794, 0.1884, 0.1903



71.8128, 0.2714, 0.2959



73.4325, 0.2740, 0.4979



14.6789, 0.2658, 0.2908



0.0000, 0.0000, 0.0000



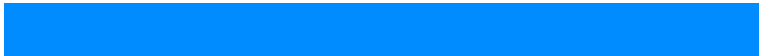
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.2794, 0.1884, 0.1903



25.7850, 0.1807, 0.1705



9.1088, 0.1566, 0.0736



19.0230, 0.2979, 0.3179



13.7758, 0.1815, 0.1732



1.5598, 0.1868, 0.1924

Inverse Universe

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



24.4915, 0.4549, 0.2348



23.1342, 0.4801, 0.2418



85.8943, 0.4249, 0.4949



18.1532, 0.3208, 0.3161



12.1186, 0.4768, 0.2400



1.2020, 0.4540, 0.2275

Previews

White Background



This preview shows how the Yxy color 30.2785, 0.1884, 0.1903 looks on a white background.

Color Contrast Check

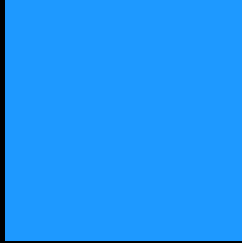
Large Text (above 18pt) WCAG AA × Fail

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 30.2785, 0.1884, 0.1903 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 ✓ Pass

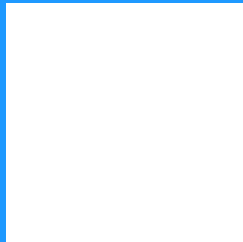
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.2785, 0.1884, 0.1903

Background



This preview shows how black text looks on a background with the Yxy color 30.2785, 0.1884, 0.1903.



This preview shows how white text looks on a background with the Yxy color 30.2785, 0.1884, 0.1903.

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

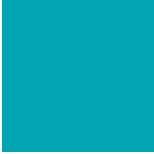
30.2785, 0.1884, 0.1903

Protanopia

30.0304, 0.2121, 0.1938

Deuteranopia

30.2260, 0.1951, 0.1886



Tritanopia

30.0846, 0.2188, 0.3078

Trichromacy



Original Color

30.2785, 0.1884, 0.1903

Protanomaly

29.7016, 0.1996, 0.1913

Deuteranomaly

30.1375, 0.1920, 0.1888

Tritanomaly

29.9687, 0.2058, 0.2580

Monochromacy



Original Color

30.2785, 0.1884, 0.1903

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.2226, 0.2396, 0.2650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2785, 0.1884, 0.1903 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(30, 153, 255)` looks like.

```
.text, #text, p{  
  color:rgb(30, 153, 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(30, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.2785, 0.1884, 0.1903 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(30, 153, 255) }
```

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

```
.border{ border-color:rgb(30, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(30, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2785, 0.1884, 0.1903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 153, 255) }
```

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

```
.background{ background-color: rgb(30, 153,  
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