

Converting Colors

$Y_{xy}(27.5033, 0.1837, 0.1783)$

Have a look what the booklet for
Yxy(27.5033, 0.1837, 0.1783)
contains.

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Color

Yxy(27.5724, 0.1838, 0.1786)

Conversions

Conversions Part 1

Format	Color
Hex	0F91FF
RGB	15, 145, 255
RGB Percent	6%, 57%, 100%
CMY	0.9400, 0.4314, 0.0000
CMYK	0.94, 0.43, 0.00, 0.00
HSL	208°, 100%, 53%
HSV	208°, 94%, 100%
XYZ	28.3752, 27.5724, 98.4332
YIQ	118.6700, -112.7900, 6.6500

Conversions

Conversions Part 2

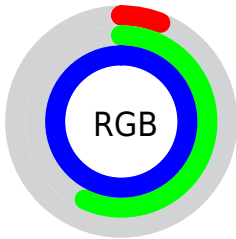
Format	Color
RYP	15, 99, 255
Decimal	1020415
CIELab	59.50, 8.74, -63.21
CIElCh	60, 63.813, 277.871
Yxy	27.5724, 0.1838, 0.1786
Android (android.graphics.Color)	4279210495 (0xFF0F91FF)
YUV	118.6700, 67.2107, -90.9186
Hunter-Lab	52.5094, 4.5668, -74.3873

Details

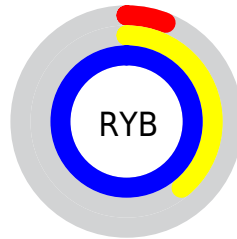
The Yxy color **27.5724, 0.1838, 0.1786** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle saturated azure. A complement of this color would be **36.0392, 0.5436, 0.4023**, and the grayscale version is **18.1778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1856, 0.2277, 0.2579**, and **12.3970, 0.1758, 0.1528** is the 20% darker color. If you saturate the color by 10%, you get **25.3895, 0.1802, 0.1686**, and if you desaturate by 10%, it is **31.6988, 0.1914, 0.1960**.

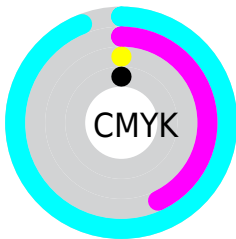
Distribution



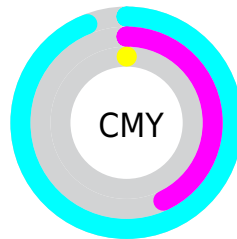
- Red (6%)
- Green (57%)
- Blue (100%)



- Red (6%)
- Yellow (39%)
- Blue (100%)



- Cyan (94%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (94%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5724, 0.1838, 0.1786 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 27.5724, 0.1838, 0.1786 by changing the saturation by 10% instead.


 27.5724, 0.1838,
0.1786


 27.5724, 0.1838,
0.1786


290.4180, 0.2483,
0.2519


 18.0036, 0.1687,
0.1620


 55.8010, 0.2067,
0.2042

 10.9526, 0.1503,
0.1420


 75.2296, 0.2155,
0.2141

 6.0349, 0.1275,
0.1177


 98.7136, 0.2230,
0.2227

 2.8663, 0.0996,
0.0887

 126.6374, 0.2295,
0.2301

 1.0624, 0.0665,
0.0557

 159.3853, 0.2351,
0.2366

 0.0000, 0.0160,
0.0000

197.3418, 0.2400,

 0.0000, 0.0000,

0.2423

0.0000

240.8912, 0.2444,
0.2473

■ 27.5724, 0.1838,
0.1786

■ 27.5724, 0.1838,
0.1786

■ 25.3895, 0.1802,
0.1686

■ 31.6988, 0.1914,
0.1960

■ 36.5417, 0.2014,
0.2140

■ 42.1687, 0.2135,
0.2321

■ 48.6361, 0.2274,
0.2500

■ 55.9934, 0.2425,
0.2672

■ 64.2853, 0.2584,
0.2834

■ 73.5528, 0.2746,
0.2984

■ 83.8340, 0.2908,
0.3121

■ 95.1647, 0.3066,
0.3244

Harmonies

Analogous

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



27.5724, 0.1480, 0.1960



27.5724, 0.1838, 0.1786



27.5724, 0.2550, 0.1908

Triad

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



27.5724, 0.1838, 0.1786



27.5724, 0.5162, 0.3527



27.5724, 0.2468, 0.4737

Complementary

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



27.5724, 0.1838, 0.1786



36.0392, 0.5436, 0.4023

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.



27.5724, 0.3409, 0.5269



27.5724, 0.1838, 0.1786



27.5724, 0.5000, 0.4248

Square

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



27.5724, 0.1838, 0.1786



27.5724, 0.4622, 0.2855



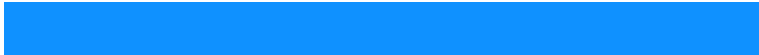
27.5724, 0.4327, 0.4940



27.5724, 0.1763, 0.3546

Rectangle

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



27.5724, 0.1838, 0.1786



27.5724, 0.3214, 0.2133



27.5724, 0.4327, 0.4940



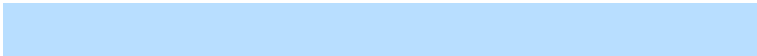
27.5724, 0.2768, 0.5022

Sweetspot

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



27.5732, 0.1838, 0.1786



69.7273, 0.2681, 0.2926



73.0579, 0.2758, 0.5094



14.0792, 0.2611, 0.2860



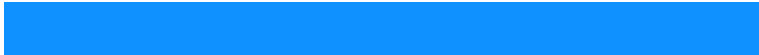
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



27.5732, 0.1838, 0.1786



25.3896, 0.1802, 0.1686



8.1209, 0.1529, 0.0666



19.0062, 0.2979, 0.3178



13.5690, 0.1809, 0.1713



1.5398, 0.1863, 0.1907

Inverse Universe

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



23.6542, 0.4696, 0.2387



23.0942, 0.4824, 0.2431



85.4051, 0.4270, 0.4969



18.1515, 0.3209, 0.3162



12.0978, 0.4790, 0.2412



1.2000, 0.4560, 0.2286

Previews

White Background



This preview shows how the Yxy color 27.5724, 0.1838, 0.1786 looks on a white background.

Color Contrast Check

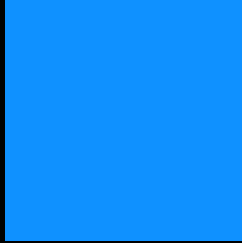
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5724, 0.1838, 0.1786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

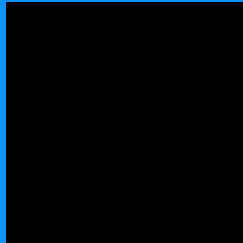
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

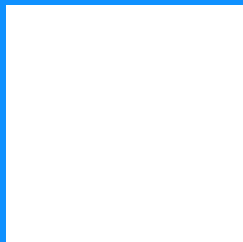
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.5724, 0.1838, 0.1786

Background



This preview shows how black text looks on a background with the Yxy color 27.5724, 0.1838, 0.1786.



This preview shows how white text looks on a background with the Yxy color 27.5724, 0.1838, 0.1786.

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

27.5724, 0.1838, 0.1786

Protanopia

27.5801, 0.2027, 0.1819

Deuteranopia

27.7038, 0.1850, 0.1790



Tritanopia

27.3183, 0.2191, 0.3087

Trichromacy



Original Color

27.5724, 0.1838, 0.1786

Protanomaly

27.1048, 0.1922, 0.1794

Deuteranomaly

27.6530, 0.1845, 0.1788

Tritanomaly

26.9913, 0.2035, 0.2509

Monochromacy



Original Color

27.5724, 0.1838, 0.1786

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.0148, 0.2326, 0.2561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5724, 0.1838, 0.1786 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(15, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(15, 145, 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(15, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.5724, 0.1838, 0.1786 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(15, 145, 255) }
```

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

```
.border{ border-color:rgb(15, 145, 255) }
```

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

Here you see how a box with a 4 pixel rgb(15, 145, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(15, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5724, 0.1838, 0.1786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 145, 255) }
```

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

```
.background{ background-color: rgb(15, 145,  
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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