

Converting Colors

$Yxy(30.4025, 0.1763, 0.1480)$

Have a look what the booklet for
Yxy(30.4025, 0.1763, 0.1480)
contains.

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Color

Yxy(27.4736, 0.1852, 0.1778)

Conversions

Conversions Part 1

Format	Color
Hex	2090FF
RGB	32, 144, 255
RGB Percent	13%, 56%, 100%
CMY	0.8754, 0.4353, 0.0000
CMYK	0.88, 0.44, 0.00, 0.00
HSL	210°, 100%, 56%
HSV	210°, 88%, 100%
XYZ	28.6170, 27.4736, 98.4290
YIQ	123.1660, -102.3830, 10.7770

Conversions

Conversions Part 2

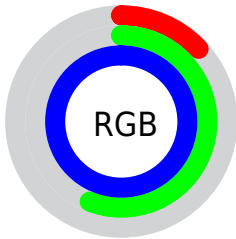
Format	Color
R _Y B	32, 107, 255
Decimal	2134271
CIE Lab	59.41, 10.08, -63.37
CIE LCh	59, 64.161, 279.034
Yxy	27.4736, 0.1852, 0.1778
Android (android.graphics.Color)	4280324351 (0xFF2090FF)
YUV	123.1660, 64.9942, -79.9526
Hunter-Lab	52.4153, 5.7285, -74.6482

Details

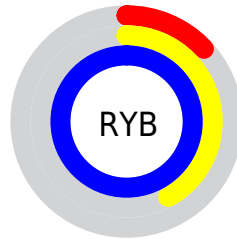
The Yxy color **27.4736, 0.1852, 0.1778** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **40.9372, 0.5192, 0.4145**, and the grayscale version is **19.6499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0744, 0.2295, 0.2570**, and **12.2156, 0.1753, 0.1511** is the 20% darker color. If you saturate the color by 10%, you get **23.5815, 0.1781, 0.1597**, and if you desaturate by 10%, it is **32.1059, 0.1948, 0.1970**.

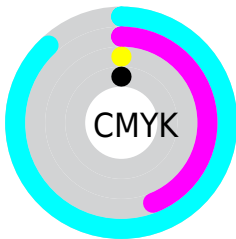
Distribution



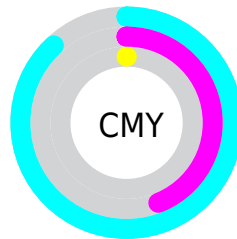
- Red (13%)
- Green (56%)
- Blue (100%)



- Red (13%)
- Yellow (42%)
- Blue (100%)



- Cyan (88%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (88%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4736, 0.1852, 0.1778 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 27.4736, 0.1852, 0.1778 by changing the saturation by 10% instead.

 27.4736, 0.1852,
0.1778


 27.4736, 0.1852,
0.1778


289.9430, 0.2491,
0.2513


 17.9292, 0.1702,
0.1612


 55.6429, 0.2079,
0.2034

 10.8992, 0.1518,
0.1411


 75.0366, 0.2166,
0.2134


 5.9991, 0.1292,
0.1169


 98.4823, 0.2241,
0.2220

 2.8445, 0.1013,
0.0880

 126.3642, 0.2305,
0.2294

 1.0511, 0.0681,
0.0550

 159.0669, 0.2361,
0.2359

 0.0000, 0.0182,
0.0000

196.9746, 0.2410,

 0.0000, 0.0000,

0.2417

0.0000

240.4718, 0.2453,
0.2468

■ 27.4736, 0.1852,
0.1778

■ 27.4736, 0.1852,
0.1778

■ 23.5815, 0.1781,
0.1597

■ 32.1059, 0.1948,
0.1970

■ 22.7133, 0.1765,
0.1554

■ 37.5608, 0.2068,
0.2166

■ 43.8994, 0.2207,
0.2362

■ 51.1761, 0.2359,
0.2553

■ 59.4397, 0.2521,
0.2734

■ 68.7352, 0.2686,
0.2902

■ 79.1039, 0.2850,
0.3056

■ 90.5849, 0.3010,
0.3195

■ 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.



27.4736, 0.1479, 0.1939



27.4736, 0.1852, 0.1778



27.4736, 0.2581, 0.1911

Triad

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



27.4736, 0.1852, 0.1778



27.4736, 0.5181, 0.3553



27.4736, 0.2429, 0.4709

Complementary

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



27.4736, 0.1852, 0.1778



40.9372, 0.5192, 0.4145

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.



27.4736, 0.3371, 0.5281



27.4736, 0.1852, 0.1778



27.4736, 0.4991, 0.4279

Square

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



27.4736, 0.1852, 0.1778



27.4736, 0.4665, 0.2876



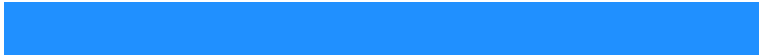
27.4736, 0.4299, 0.4971



27.4736, 0.1735, 0.3499

Rectangle

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



27.4736, 0.1852, 0.1778



27.4736, 0.3256, 0.2143



27.4736, 0.4299, 0.4971



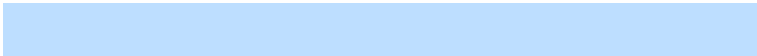
27.4736, 0.2729, 0.5007

Sweetspot

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



27.4723, 0.1852, 0.1778



70.2615, 0.2711, 0.2926



73.7070, 0.2710, 0.4865



14.3119, 0.2654, 0.2870



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.



27.4723, 0.1852, 0.1778



22.7133, 0.1765, 0.1554



8.7547, 0.1562, 0.0710



18.8871, 0.2979, 0.3169



12.1672, 0.1773, 0.1583



1.4032, 0.1830, 0.1788

Inverse Universe

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



24.2946, 0.4693, 0.2437



22.8241, 0.4989, 0.2522



90.5322, 0.4193, 0.4990



18.1395, 0.3215, 0.3171



11.9562, 0.4953, 0.2502



1.1862, 0.4700, 0.2363

Previews

White Background



This preview shows how the Yxy color 27.4736, 0.1852, 0.1778 looks on a white background.

Color Contrast Check

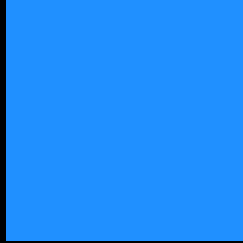
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4736, 0.1852, 0.1778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

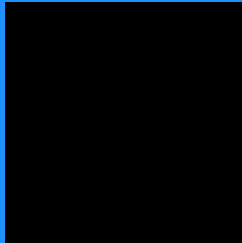
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

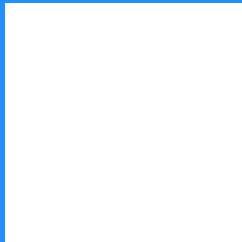
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.4736, 0.1852, 0.1778

Background



This preview shows how black text looks on a background with the Yxy color 27.4736, 0.1852, 0.1778.



This preview shows how white text looks on a background with the Yxy color 27.4736, 0.1852, 0.1778.

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

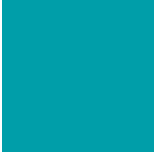
27.4736, 0.1852, 0.1778

Protanopia

27.2407, 0.2020, 0.1804

Deuteranopia

27.3607, 0.1842, 0.1775



Tritanopia

27.3183, 0.2191, 0.3087

Trichromacy



Original Color

27.4736, 0.1852, 0.1778

Protanomaly

26.9864, 0.1935, 0.1785

Deuteranomaly

27.3995, 0.1846, 0.1776

Tritanomaly

27.0308, 0.2040, 0.2510

Monochromacy



Original Color

27.4736, 0.1852, 0.1778

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.3465, 0.2382, 0.2583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4736, 0.1852, 0.1778 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(32, 144, 255)` looks like.

```
.text, #text, p{  
  color:rgb(32, 144, 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(32, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 144, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.4736, 0.1852, 0.1778 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(32, 144, 255) }
```

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

```
.border{ border-color:rgb(32, 144, 255) }
```

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

Here you see how a box with a 4 pixel rgb(32, 144, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 144, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 144, 255);  
box-shadow:4px 4px 4px 4px rgb(32, 144,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4736, 0.1852, 0.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 144, 255) }
```

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

```
.background{ background-color: rgb(32, 144,  
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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