

Converting Colors

$Yxy(19.3043, 0.1798, 0.1564)$

Have a look what the booklet for
Yxy(19.3043, 0.1798, 0.1564)
contains.

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Color

Yxy(19.3043, 0.1798, 0.1564)

Conversions

Conversions Part 1

Format	Color
Hex	1F76EC
RGB	31, 118, 236
RGB Percent	12%, 46%, 93%
CMY	0.8773, 0.5373, 0.0744
CMYK	0.87, 0.50, 0.00, 0.07
HSL	215°, 84%, 52%
HSV	215°, 87%, 93%
XYZ	22.1925, 19.3043, 81.9322
YIQ	105.4390, -89.7300, 18.2540

Conversions

Conversions Part 2

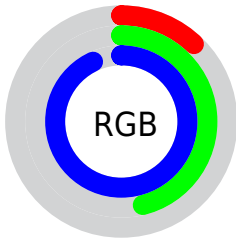
Format	Color
RYP	31, 92, 236
Decimal	2062060
CIELab	51.04, 18.92, -66.32
CIELCh	51, 68.969, 285.919
Yxy	19.3043, 0.1798, 0.1564
Android (android.graphics.Color)	4280252140 (0xFF1F76EC)
YUV	105.4390, 64.3666, -65.2830
Hunter-Lab	43.9367, 13.2717, -79.8071

Details

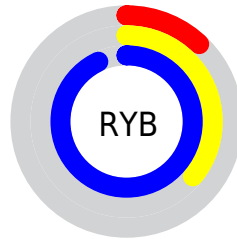
The Yxy color **19.3043, 0.1798, 0.1564** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **39.5385, 0.4977, 0.4310**, and the grayscale version is **14.1135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2408, 0.2200, 0.2196**, and **7.7611, 0.1683, 0.1257** is the 20% darker color. If you saturate the color by 10%, you get **16.0821, 0.1718, 0.1366**, and if you desaturate by 10%, it is **23.2571, 0.1906, 0.1779**.

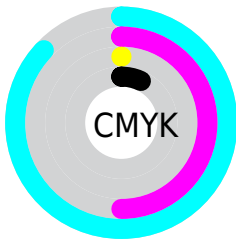
Distribution



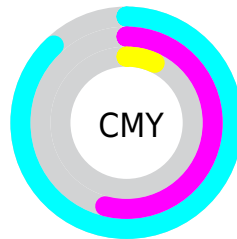
- Red (12%)
- Green (46%)
- Blue (93%)



- Red (12%)
- Yellow (36%)
- Blue (93%)



- Cyan (87%)
- Magenta (50%)
- Yellow (0%)
- Black (7%)



- Cyan (88%)
- Magenta (54%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3043, 0.1798, 0.1564 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 19.3043, 0.1798, 0.1564 by changing the saturation by 10% instead.

■ 19.3043, 0.1798,
0.1564

■ 19.3043, 0.1798,
0.1564

248.1236, 0.2498,
0.2419

■ 11.8904, 0.1627,
0.1370

■ 42.2477, 0.2053,
0.1864

■ 6.6691, 0.1414,
0.1139

■ 58.5459, 0.2149,
0.1980

■ 3.2560, 0.1151,
0.0866

■ 78.5743, 0.2230,
0.2080

■ 1.2668, 0.0830,
0.0556

■ 102.7174, 0.2300,
0.2167

■ 0.1153, 0.0453,
0.0091

■ 131.3594, 0.2360,
0.2242

■ 0.0000, 0.0000,
0.0000

164.8849, 0.2412,

0.2308

203.6781, 0.2457,
0.2367

■ 19.3043, 0.1798,
0.1564

■ 19.3043, 0.1798,
0.1564

■ 16.0821, 0.1718,
0.1366

■ 23.2571, 0.1906,
0.1779

■ 15.1601, 0.1696,
0.1306

■ 28.0084, 0.2038,
0.2004

■ 33.6165, 0.2189,
0.2230

■ 40.1322, 0.2353,
0.2451

■ 47.6018, 0.2524,
0.2660

■ 56.0676, 0.2695,
0.2855

■ 65.5694, 0.2862,
0.3032

■ 76.1442, 0.3023,
0.3192

■ 87.8274, 0.3176,
0.3334

Harmonies

Analogous

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



19.3043, 0.1307, 0.1645



19.3043, 0.1798, 0.1564



19.3043, 0.2722, 0.1781

Triad

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



19.3043, 0.1798, 0.1564



19.3043, 0.5560, 0.3690



19.3043, 0.2043, 0.4736

Complementary

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



19.3043, 0.1798, 0.1564



39.5385, 0.4977, 0.4310

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.



19.3043, 0.3074, 0.5687



19.3043, 0.1798, 0.1564



19.3043, 0.5101, 0.4531

Square

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



19.3043, 0.1798, 0.1564



19.3043, 0.5190, 0.2938



19.3043, 0.4171, 0.5376



19.3043, 0.1380, 0.3174

Rectangle

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



19.3043, 0.1798, 0.1564



19.3043, 0.3569, 0.2079



19.3043, 0.4171, 0.5376



19.3043, 0.2361, 0.5192

Sweetspot

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



19.3048, 0.1798, 0.1564



67.5092, 0.2706, 0.2867



62.4175, 0.2634, 0.4584



13.6632, 0.2646, 0.2801



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.



19.3048, 0.1798, 0.1564



17.9393, 0.1694, 0.1298



7.6090, 0.1603, 0.0730



15.5974, 0.2980, 0.3150



8.5986, 0.1704, 0.1335



0.8621, 0.1780, 0.1606

Inverse Universe

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



20.1397, 0.4950, 0.2599



22.3421, 0.5329, 0.2709



75.6950, 0.4062, 0.5083



15.1599, 0.3226, 0.3191



10.3608, 0.5278, 0.2681



0.8324, 0.4924, 0.2486

Previews

White Background



This preview shows how the Yxy color 19.3043, 0.1798, 0.1564 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 19.3043, 0.1798, 0.1564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

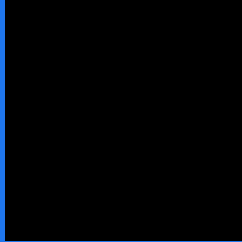
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

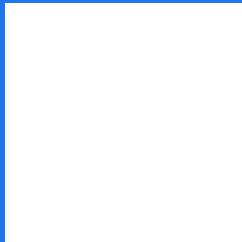
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.3043, 0.1798, 0.1564

Background



This preview shows how black text looks on a background with the Yxy color 19.3043, 0.1798, 0.1564.



This preview shows how white text looks on a background with the Yxy color 19.3043, 0.1798, 0.1564.

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

19.3043, 0.1798, 0.1564

Protanopia

19.3988, 0.1840, 0.1574

Deuteranopia

19.0722, 0.1836, 0.1810



Tritanopia

19.0334, 0.2194, 0.3097

Trichromacy



Original Color

19.3043, 0.1798, 0.1564

Protanomaly

19.2343, 0.1821, 0.1567

Deuteranomaly

19.0736, 0.1815, 0.1706

Tritanomaly

18.6838, 0.2003, 0.2370

Monochromacy



Original Color

19.3043, 0.1798, 0.1564

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.1140, 0.2349, 0.2440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3043, 0.1798, 0.1564 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(31, 118, 236)` looks like.

```
.text, #text, p{  
    color:rgb(31, 118, 236)  
}
```

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(31, 118, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 118, 236) }
```

Border

The CSS property to change the border of an element to Yxy 19.3043, 0.1798, 0.1564 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(31, 118, 236) }
```

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

```
.border{ border-color:rgb(31, 118, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 118, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 118, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 118, 236);  
box-shadow:4px 4px 4px 4px rgb(31, 118,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3043, 0.1798, 0.1564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 118, 236) }
```

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

```
.background{ background-color: rgb(31, 118,  
236) }
```

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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