

Converting Colors

$Yxy(19.7994, 0.1750, 0.1397)$

Have a look what the booklet for
Yxy(19.7994, 0.1750, 0.1397)
contains.

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Color

Yxy(19.8048, 0.1750, 0.1397)

Conversions

Conversions Part 1

Format	Color
Hex	2173FF
RGB	33, 115, 255
RGB Percent	13%, 45%, 100%
CMY	0.8710, 0.5490, 0.0000
CMYK	0.87, 0.55, 0.00, 0.00
HSL	218°, 100%, 56%
HSV	218°, 87%, 100%
XYZ	24.8092, 19.8048, 97.1527
YIQ	106.4420, -93.8120, 26.1560

Conversions

Conversions Part 2

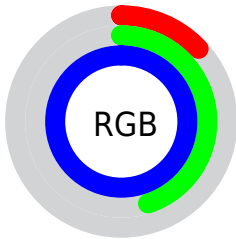
Format	Color
R _Y B	33, 93, 255
Decimal	2192383
CIE _{Lab}	51.62, 28.09, -75.96
CIE _{LCh}	52, 80.993, 290.296
Y _{xy}	19.8048, 0.1750, 0.1397
Android (android.graphics.Color)	4280382463 (0xFF2173FF)
Y _{UV}	106.4420, 73.2391, -64.4086
Hunter-Lab	44.5026, 21.6301, -98.2830

Details

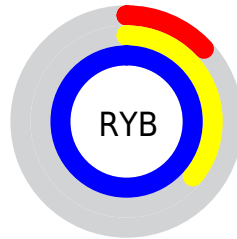
The Yxy color **19.8048, 0.1750, 0.1397** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **51.2141, 0.4865, 0.4415**, and the grayscale version is **14.3458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5574, 0.2222, 0.2165**, and **8.1655, 0.1640, 0.1102** is the 20% darker color. If you saturate the color by 10%, you get **16.1775, 0.1670, 0.1196**, and if you desaturate by 10%, it is **24.3835, 0.1861, 0.1624**.

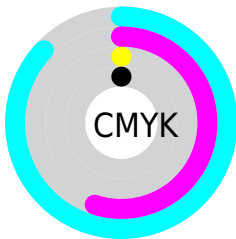
Distribution



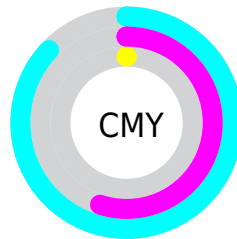
- Red (13%)
- Green (45%)
- Blue (100%)



- Red (13%)
- Yellow (36%)
- Blue (100%)



- Cyan (87%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (87%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8048, 0.1750, 0.1397 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 19.8048, 0.1750, 0.1397 by changing the saturation by 10% instead.


 19.8048, 0.1750,
0.1397


 19.8048, 0.1750,
0.1397


250.8564, 0.2465,
0.2297


 12.2532, 0.1580,
0.1206


 43.0897, 0.2007,
0.1702


 6.9164, 0.1374,
0.0984


 59.5918, 0.2105,
0.1824

 3.4099, 0.1122,
0.0731

 79.8462, 0.2188,
0.1930

 1.3493, 0.0822,
0.0458

 104.2373, 0.2259,
0.2022

 0.1789, 0.0492,
0.0103

 133.1494, 0.2321,
0.2103

 0.0000, 0.0000,
0.0000

166.9671, 0.2375,

0.2175

206.0746, 0.2423,
0.2239

■ 19.8048, 0.1750,
0.1397

■ 19.8048, 0.1750,
0.1397

■ 16.1775, 0.1670,
0.1196

■ 24.3835, 0.1861,
0.1624

■ 15.2733, 0.1651,
0.1142

■ 30.0126, 0.1999,
0.1866

■ 36.7683, 0.2157,
0.2113

■ 44.7193, 0.2329,
0.2356

■ 53.9280, 0.2506,
0.2588

■ 64.4520, 0.2682,
0.2803

■ 76.3450, 0.2854,
0.3000

■ 89.6573, 0.3017,
0.3177

■ 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.



19.8048, 0.1171, 0.1422



19.8048, 0.1750, 0.1397



19.8048, 0.2844, 0.1673

Triad

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



19.8048, 0.1750, 0.1397



19.8048, 0.5830, 0.3757



19.8048, 0.1722, 0.4732

Complementary

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



19.8048, 0.1750, 0.1397



51.2141, 0.4865, 0.4415

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.



19.8048, 0.2801, 0.6063



19.8048, 0.1750, 0.1397



19.8048, 0.5137, 0.4711

Square

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



19.8048, 0.1750, 0.1397



19.8048, 0.5633, 0.2958



19.8048, 0.4013, 0.5723



19.8048, 0.1109, 0.2886

Rectangle

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



19.8048, 0.1750, 0.1397



19.8048, 0.3851, 0.2018



19.8048, 0.4013, 0.5723



19.8048, 0.2044, 0.5343

Sweetspot

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



19.8030, 0.1750, 0.1397



65.6947, 0.2702, 0.2826



74.7384, 0.2590, 0.4437



13.2373, 0.2641, 0.2754



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.



19.8030, 0.1750, 0.1397



15.2733, 0.1651, 0.1142



9.2254, 0.1632, 0.0738



18.4775, 0.2979, 0.3136



8.2412, 0.1659, 0.1172



1.0029, 0.1721, 0.1397

Inverse Universe

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



23.5794, 0.5166, 0.2715



22.0730, 0.5549, 0.2831



88.3015, 0.3986, 0.5147



18.0981, 0.3236, 0.3202



11.5599, 0.5506, 0.2807



1.1458, 0.5195, 0.2636

Previews

White Background



This preview shows how the Yxy color 19.8048, 0.1750, 0.1397 looks on a white background.

Color Contrast Check

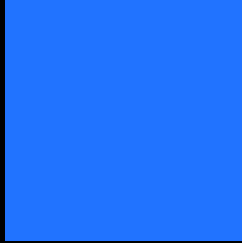
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8048, 0.1750, 0.1397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

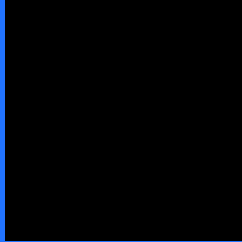
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

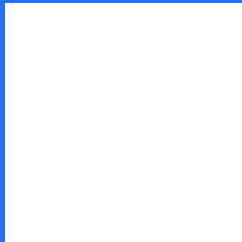
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.8048, 0.1750, 0.1397

Background



This preview shows how black text looks on a background with the Yxy color 19.8048, 0.1750, 0.1397.



This preview shows how white text looks on a background with the Yxy color 19.8048, 0.1750, 0.1397.

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

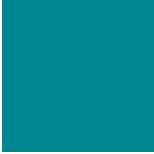
19.8048, 0.1750, 0.1397

Protanopia

19.6247, 0.1734, 0.1441

Deuteranopia

19.5735, 0.1845, 0.1843



Tritanopia

19.6219, 0.2200, 0.3119

Trichromacy



Original Color

19.8048, 0.1750, 0.1397

Protanomaly

19.5972, 0.1735, 0.1418

Deuteranomaly

19.4661, 0.1799, 0.1646

Tritanomaly

18.9772, 0.1975, 0.2269

Monochromacy



Original Color

19.8048, 0.1750, 0.1397

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.1376, 0.2294, 0.2309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8048, 0.1750, 0.1397 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(33, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(33, 115, 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(33, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 115, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.8048, 0.1750, 0.1397 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(33, 115, 255) }
```

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

```
.border{ border-color:rgb(33, 115, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(33, 115,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8048, 0.1750, 0.1397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 115, 255) }
```

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

```
.background{ background-color: rgb(33, 115,  
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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