

Converting Colors

$Yxy(20.4301, 0.1750, 0.1432)$

Have a look what the booklet for
Yxy(20.4301, 0.1750, 0.1432)
contains.

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Color

Yxy(20.3965, 0.1750, 0.1431)

Conversions

Conversions Part 1

Format	Color
Hex	1A76FF
RGB	26, 118, 255
RGB Percent	10%, 46%, 100%
CMY	0.8990, 0.5371, 0.0002
CMYK	0.90, 0.54, 0.00, 0.00
HSL	216°, 100%, 55%
HSV	216°, 90%, 100%
XYZ	24.9433, 20.3965, 97.1934
YIQ	106.1100, -98.8090, 23.1030

Conversions

Conversions Part 2

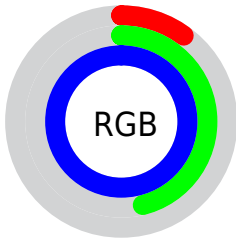
Format	Color
R _Y B	26, 92, 255
Decimal	1734399
CIE _{Lab}	52.28, 25.80, -74.84
CIE _{LCh}	52, 79.162, 289.017
Y _{xy}	20.3965, 0.1750, 0.1431
Android (android.graphics.Color)	4279924479 (0xFF1A76FF)
Y _{UV}	106.1100, 73.4028, -70.2565
Hunter-Lab	45.1625, 19.5515, -95.9832

Details

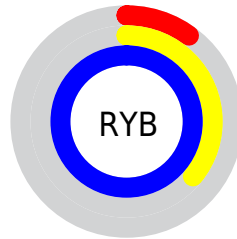
The Yxy color **20.3965, 0.1750, 0.1431** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **47.4036, 0.4991, 0.4345**, and the grayscale version is **14.2420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4475, 0.2215, 0.2200**, and **8.5377, 0.1651, 0.1143** is the 20% darker color. If you saturate the color by 10%, you get **16.8791, 0.1677, 0.1238**, and if you desaturate by 10%, it is **24.7733, 0.1850, 0.1646**.

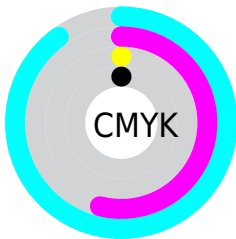
Distribution



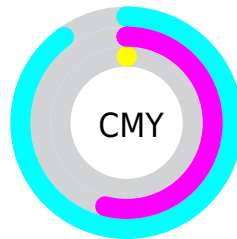
- Red (10%)
- Green (46%)
- Blue (100%)



- Red (10%)
- Yellow (36%)
- Blue (100%)



- Cyan (90%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)




- Cyan (90%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3965, 0.1750, 0.1431 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 20.3965, 0.1750, 0.1431 by changing the saturation by 10% instead.


 20.3965, 0.1750,
0.1431


 20.3965, 0.1750,
0.1431


254.0536, 0.2462,
0.2317


 12.6836, 0.1582,
0.1241


 44.0810, 0.2005,
0.1733


 7.2110, 0.1376,
0.1020


 60.8213, 0.2103,
0.1853

 3.5944, 0.1126,
0.0766

 81.3395, 0.2186,
0.1957

 1.4494, 0.0828,
0.0490

 106.0201, 0.2257,
0.2048

 0.2527, 0.0497,
0.0144

 135.2474, 0.2319,
0.2128

 0.0000, 0.0000,
0.0000

169.4058, 0.2373,

0.2198

208.8798, 0.2420,
0.2261

■ 20.3965, 0.1750,
0.1431

■ 20.3965, 0.1750,
0.1431

■ 16.8791, 0.1677,
0.1238

■ 24.7733, 0.1850,
0.1646

■ 16.8481, 0.1677,
0.1236

■ 30.1178, 0.1977,
0.1876

■ 36.5065, 0.2126,
0.2111

■ 44.0059, 0.2290,
0.2343

■ 52.6759, 0.2462,
0.2566

■ 62.5712, 0.2637,
0.2774

■ 73.7428, 0.2808,
0.2965

■ 86.2385, 0.2973,
0.3138

■ 99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



20.3965, 0.1195, 0.1472



20.3965, 0.1750, 0.1431



20.3965, 0.2799, 0.1691

Triad

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



20.3965, 0.1750, 0.1431



20.3965, 0.5780, 0.3735



20.3965, 0.1804, 0.4761

Complementary

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



20.3965, 0.1750, 0.1431



47.4036, 0.4991, 0.4345

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.



20.3965, 0.2879, 0.5983



20.3965, 0.1750, 0.1431



20.3965, 0.5143, 0.4658

Square

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



20.3965, 0.1750, 0.1431



20.3965, 0.5526, 0.2946



20.3965, 0.4068, 0.5636



20.3965, 0.1171, 0.2970

Rectangle

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



20.3965, 0.1750, 0.1431



20.3965, 0.3767, 0.2024



20.3965, 0.4068, 0.5636



20.3965, 0.2128, 0.5331

Sweetspot

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



20.3970, 0.1750, 0.1431



65.7052, 0.2687, 0.2831



74.2279, 0.2625, 0.4588



13.2829, 0.2628, 0.2764



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.



20.3970, 0.1750, 0.1431



16.8543, 0.1677, 0.1236



8.4991, 0.1582, 0.0690



18.5782, 0.2979, 0.3144



9.0804, 0.1685, 0.1266



1.0914, 0.1747, 0.1489

Inverse Universe

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



23.2880, 0.5131, 0.2664



22.2326, 0.5416, 0.2757



89.3744, 0.4042, 0.5126



18.1083, 0.3231, 0.3195



11.6446, 0.5373, 0.2734



1.1547, 0.5073, 0.2568

Previews

White Background



This preview shows how the Yxy color 20.3965, 0.1750, 0.1431 looks on a white background.

Color Contrast Check

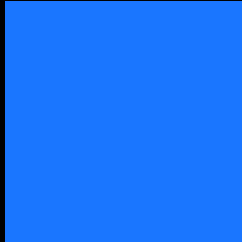
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3965, 0.1750, 0.1431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

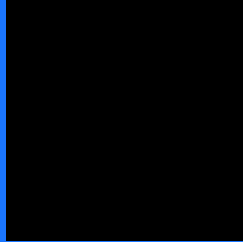
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

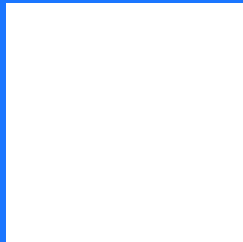
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.3965, 0.1750, 0.1431

Background



This preview shows how black text looks on a background with the Yxy color 20.3965, 0.1750, 0.1431.



This preview shows how white text looks on a background with the Yxy color 20.3965, 0.1750, 0.1431.

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

20.3965, 0.1750, 0.1431

Protanopia

20.2855, 0.1735, 0.1447

Deuteranopia

20.2932, 0.1843, 0.1836



Tritanopia

19.9666, 0.2195, 0.3100

Trichromacy



Original Color

20.3965, 0.1750, 0.1431

Protanomaly

20.4075, 0.1739, 0.1443

Deuteranomaly

20.2996, 0.1804, 0.1674

Tritanomaly

19.5685, 0.1975, 0.2279

Monochromacy



Original Color

20.3965, 0.1750, 0.1431

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.2677, 0.2282, 0.2325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3965, 0.1750, 0.1431 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(26, 118, 255)` looks like.

```
.text, #text, p{  
  color:rgb(26, 118, 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(26, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 118, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.3965, 0.1750, 0.1431 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(26, 118, 255) }
```

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

```
.border{ border-color:rgb(26, 118, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 118, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 118, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 118, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 118,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3965, 0.1750, 0.1431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 118, 255) }
```

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

```
.background{ background-color: rgb(26, 118,  
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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