

Converting Colors

$Yxy(20.2363, 0.1875, 0.1432)$

Have a look what the booklet for
Yxy(20.2363, 0.1875, 0.1432)
contains.

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Color

Yxy(20.2363, 0.1875, 0.1432)

Conversions

Conversions Part 1

Format	Color
Hex	4E70FC
RGB	78, 112, 252
RGB Percent	31%, 44%, 99%
CMY	0.6945, 0.5607, 0.0119
CMYK	0.69, 0.56, 0.00, 0.01
HSL	228°, 97%, 65%
HSV	228°, 69%, 99%
XYZ	26.4966, 20.2363, 94.5821
YIQ	117.7940, -65.2040, 36.3320

Conversions

Conversions Part 2

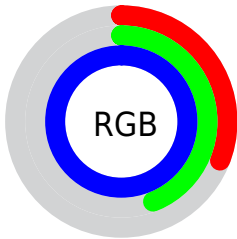
Format	Color
R _Y B	78, 106, 252
Decimal	5140732
CIE Lab	52.10, 33.08, -73.41
CIE LCh	52, 80.519, 294.257
Yxy	20.2363, 0.1875, 0.1432
Android (android.graphics.Color)	4283330812 (0xFF4E70FC)
YUV	117.7940, 66.1636, -34.8993
Hunter-Lab	44.9848, 26.4152, -93.1700

Details

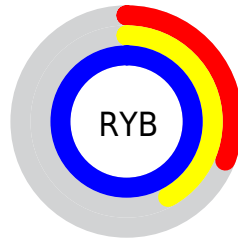
The Yxy color **20.2363, 0.1875, 0.1432** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **71.3015, 0.4285, 0.4592**, and the grayscale version is **17.8490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4341, 0.2350, 0.2164**, and **7.6756, 0.1633, 0.1078** is the 20% darker color. If you saturate the color by 10%, you get **15.3903, 0.1729, 0.1165**, and if you desaturate by 10%, it is **26.4962, 0.2050, 0.1726**.

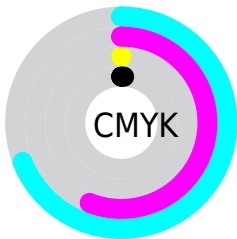
Distribution



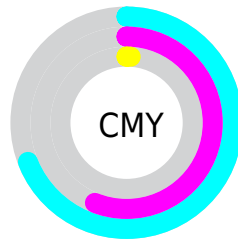
- Red (31%)
- Green (44%)
- Blue (99%)



- Red (31%)
- Yellow (42%)
- Blue (99%)



- Cyan (69%)
- Magenta (56%)
- Yellow (0%)
- Black (1%)



- Cyan (69%)
- Magenta (56%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2363, 0.1875, 0.1432 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 20.2363, 0.1875, 0.1432 by changing the saturation by 10% instead.

■ 20.2363, 0.1875,
0.1432

■ 20.2363, 0.1875,
0.1432

253.1915, 0.2535,
0.2314

■ 12.5669, 0.1714,
0.1243

■ 43.8130, 0.2115,
0.1732

■ 7.1310, 0.1516,
0.1023

■ 60.4891, 0.2205,
0.1851

■ 3.5442, 0.1269,
0.0770

■ 80.9363, 0.2282,
0.1955

■ 1.4220, 0.0967,
0.0493

■ 105.5389, 0.2348,
0.2045

■ 0.2329, 0.0619,
0.0138

134.6813, 0.2404,
0.2124

■ 0.0000, 0.0000,
0.0000

168.7479, 0.2454,

0.2195

208.1232, 0.2497,
0.2257

■ 20.2363, 0.1875,
0.1432

■ 20.2363, 0.1875,
0.1432

■ 15.3903, 0.1729,
0.1165

■ 26.4962, 0.2050,
0.1726

■ 11.8388, 0.1620,
0.0944

■ 34.2720, 0.2241,
0.2030

■ 9.4317, 0.1551,
0.0779

■ 43.6577, 0.2438,
0.2329

■ 9.2569, 0.1546,
0.0766

■ 54.7389, 0.2632,
0.2611

■ 67.5952, 0.2815,
0.2870

■ 82.3008, 0.2986,
0.3102

■ 98.9260, 0.3141,
0.3308

■ 99.8066, 0.3145,
0.3319

Harmonies

Analogous

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



20.2363, 0.1239, 0.1417



20.2363, 0.1875, 0.1432



20.2363, 0.3032, 0.1746

Triad

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



20.2363, 0.1875, 0.1432



20.2363, 0.5755, 0.3877



20.2363, 0.1627, 0.4454

Complementary

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



20.2363, 0.1875, 0.1432



71.3015, 0.4285, 0.4592

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.



20.2363, 0.2656, 0.5949



20.2363, 0.1875, 0.1432



20.2363, 0.4994, 0.4844

Square

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



20.2363, 0.1875, 0.1432



20.2363, 0.5695, 0.3067



20.2363, 0.3857, 0.5809



20.2363, 0.1085, 0.2707

Rectangle

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



20.2363, 0.1875, 0.1432



20.2363, 0.4053, 0.2111



20.2363, 0.3857, 0.5809



20.2363, 0.1927, 0.5086

Sweetspot

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



20.2368, 0.1875, 0.1432



66.7614, 0.2781, 0.2822



76.2375, 0.2468, 0.3728



13.4899, 0.2731, 0.2752



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.



20.2368, 0.1875, 0.1432



14.2139, 0.1680, 0.1071



17.2168, 0.2099, 0.1225



17.1938, 0.2979, 0.3093



4.9840, 0.1552, 0.0788



0.6020, 0.1608, 0.0989

Inverse Universe

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



27.2956, 0.5016, 0.2991



23.6667, 0.5592, 0.3025



82.3977, 0.3693, 0.5078



17.2808, 0.3263, 0.3244



10.9140, 0.6088, 0.3128



1.0250, 0.5776, 0.2955

Previews

White Background



This preview shows how the Yxy color 20.2363, 0.1875, 0.1432 looks on a white background.

Color Contrast Check

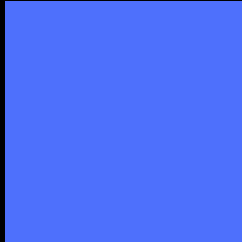
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2363, 0.1875, 0.1432 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 20.2363, 0.1875, 0.1432

Background



This preview shows how black text looks on a background with the Yxy color 20.2363, 0.1875, 0.1432.



This preview shows how white text looks on a background with the Yxy color 20.2363, 0.1875, 0.1432.

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

20.2363, 0.1875, 0.1432

Protanopia

20.2855, 0.1735, 0.1447

Deuteranopia

20.0362, 0.1839, 0.1820



Tritanopia

19.9979, 0.2189, 0.3080

Trichromacy



Original Color

20.2363, 0.1875, 0.1432

Protanomaly

19.8295, 0.1750, 0.1419

Deuteranomaly

19.6911, 0.1816, 0.1645

Tritanomaly

19.1880, 0.1998, 0.2261

Monochromacy



Original Color

20.2363, 0.1875, 0.1432

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.1644, 0.2474, 0.2388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2363, 0.1875, 0.1432 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(78, 112, 252)` looks like.

```
.text, #text, p{  
  color:rgb(78, 112, 252)  
}
```

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(78, 112, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 112, 252) }
```

Border

The CSS property to change the border of an element to Yxy 20.2363, 0.1875, 0.1432 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(78, 112, 252) }
```

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

```
.border{ border-color:rgb(78, 112, 252) }
```

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

Here you see how a box with a 4 pixel rgb(78, 112, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 112, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 112, 252);  
box-shadow:4px 4px 4px 4px rgb(78, 112,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2363, 0.1875, 0.1432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 112, 252) }
```

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

```
.background{ background-color: rgb(78, 112,  
252) }
```

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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