

Converting Colors

$Yxy(20.1245, 0.1801, 0.1407)$

Have a look what the booklet for
Yxy(20.1245, 0.1801, 0.1407)
contains.

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Color

Yxy(20.1245, 0.1801, 0.1407)

Conversions

Conversions Part 1

Format	Color
Hex	3972FF
RGB	57, 114, 255
RGB Percent	22%, 45%, 100%
CMY	0.7761, 0.5530, 0.0000
CMYK	0.78, 0.55, 0.00, 0.00
HSL	223°, 100%, 61%
HSV	223°, 78%, 100%
XYZ	25.7599, 20.1245, 97.1468
YIQ	113.0310, -79.2330, 31.7670

Conversions

Conversions Part 2

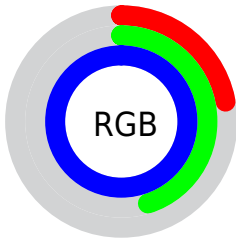
Format	Color
R _Y B	57, 101, 255
Decimal	3764991
CIE Lab	51.98, 30.57, -75.34
CIE LCh	52, 81.301, 292.083
Yxy	20.1245, 0.1801, 0.1407
Android (android.graphics.Color)	4281955071 (0xFF3972FF)
YUV	113.0310, 69.9907, -49.1392
Hunter-Lab	44.8603, 23.9936, -96.9926

Details

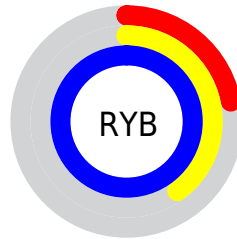
The Yxy color **20.1245, 0.1801, 0.1407** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **61.9952, 0.4548, 0.4533**, and the grayscale version is **16.3360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0358, 0.2278, 0.2168**, and **8.0455, 0.1636, 0.1089** is the 20% darker color. If you saturate the color by 10%, you get **15.8528, 0.1687, 0.1173**, and if you desaturate by 10%, it is **25.5853, 0.1946, 0.1668**.

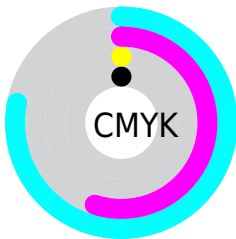
Distribution



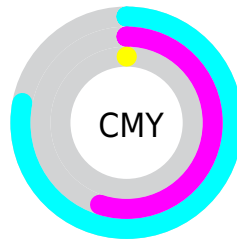
- Red (22%)
- Green (45%)
- Blue (100%)



- Red (22%)
- Yellow (40%)
- Blue (100%)



- Cyan (78%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)



- Cyan (78%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1245, 0.1801, 0.1407 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 20.1245, 0.1801, 0.1407 by changing the saturation by 10% instead.


 20.1245, 0.1801,
0.1407


 20.1245, 0.1801,
0.1407


252.5883, 0.2493,
0.2299


 12.4856, 0.1635,
0.1217


 43.6258, 0.2050,
0.1710

 7.0753, 0.1433,
0.0997


 60.2570, 0.2145,
0.1830

 3.5092, 0.1184,
0.0745

 80.6544, 0.2226,
0.1935

 1.4030, 0.0884,
0.0472

 105.2024, 0.2295,
0.2027

 0.2189, 0.0547,
0.0125

134.2854, 0.2355,
0.2107

 0.0000, 0.0000,
0.0000

168.2878, 0.2407,

0.2179

207.5940, 0.2452,
0.2242

■ 20.1245, 0.1801,
0.1407

■ 20.1245, 0.1801,
0.1407

■ 15.8528, 0.1687,
0.1173

■ 25.5853, 0.1946,
0.1668

■ 12.6579, 0.1609,
0.0978

■ 32.3307, 0.2114,
0.1941

■ 12.0249, 0.1594,
0.0937

■ 40.4435, 0.2296,
0.2215

■ 49.9993, 0.2482,
0.2479

■ 61.0676, 0.2667,
0.2725

■ 73.7134, 0.2843,
0.2950

■ 87.9975, 0.3009,
0.3152

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.



20.1245, 0.1195, 0.1414



20.1245, 0.1801, 0.1407



20.1245, 0.2927, 0.1701

Triad

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



20.1245, 0.1801, 0.1407



20.1245, 0.5806, 0.3809



20.1245, 0.1672, 0.4612

Complementary

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



20.1245, 0.1801, 0.1407



61.9952, 0.4548, 0.4533

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.



20.1245, 0.2731, 0.6029



20.1245, 0.1801, 0.1407



20.1245, 0.5077, 0.4773

Square

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



20.1245, 0.1801, 0.1407



20.1245, 0.5674, 0.3005



20.1245, 0.3942, 0.5772



20.1245, 0.1091, 0.2800

Rectangle

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



20.1245, 0.1801, 0.1407



20.1245, 0.3946, 0.2056



20.1245, 0.3942, 0.5772



20.1245, 0.1985, 0.5239

Sweetspot

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



20.1240, 0.1801, 0.1407



66.6967, 0.2749, 0.2832



76.3613, 0.2520, 0.4062



13.3254, 0.2685, 0.2749



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.



20.1240, 0.1801, 0.1407



14.0061, 0.1641, 0.1063



12.6795, 0.1838, 0.0954



18.2281, 0.2979, 0.3116



6.5027, 0.1601, 0.0965



0.8106, 0.1662, 0.1182

Inverse Universe

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



25.4104, 0.5107, 0.2837



22.3600, 0.5650, 0.2929



86.3270, 0.3846, 0.5135



18.0729, 0.3249, 0.3222



11.3844, 0.5812, 0.2976



1.1264, 0.5493, 0.2799

Previews

White Background



This preview shows how the Yxy color 20.1245, 0.1801, 0.1407 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 20.1245, 0.1801, 0.1407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

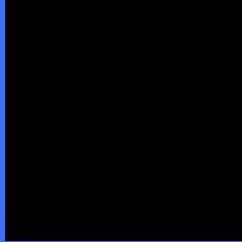
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

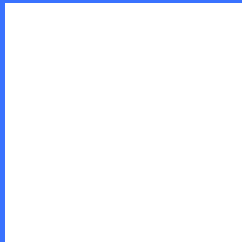
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.1245, 0.1801, 0.1407

Background



This preview shows how black text looks on a background with the Yxy color 20.1245, 0.1801, 0.1407.



This preview shows how white text looks on a background with the Yxy color 20.1245, 0.1801, 0.1407.

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

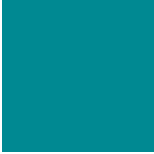
20.1245, 0.1801, 0.1407

Protanopia

19.9851, 0.1734, 0.1441

Deuteranopia

19.9315, 0.1844, 0.1839



Tritanopia

19.9666, 0.2195, 0.3100

Trichromacy



Original Color

20.1245, 0.1801, 0.1407

Protanomaly

19.9739, 0.1744, 0.1428

Deuteranomaly

19.8480, 0.1810, 0.1656

Tritanomaly

19.4051, 0.1986, 0.2264

Monochromacy



Original Color

20.1245, 0.1801, 0.1407

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.8540, 0.2390, 0.2341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1245, 0.1801, 0.1407 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(57, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(57, 114, 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(57, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 114, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.1245, 0.1801, 0.1407 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(57, 114, 255) }
```

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

```
.border{ border-color:rgb(57, 114, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 114, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 114, 255);  
box-shadow:4px 4px 4px 4px rgb(57, 114,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1245, 0.1801, 0.1407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 114, 255) }
```

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

```
.background{ background-color: rgb(57, 114,  
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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