

Converting Colors

$Yxy(20.8223, 0.1742, 0.1456)$

Have a look what the booklet for
Yxy(20.8223, 0.1742, 0.1456)
contains.

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Color

Yxy(20.9399, 0.1743, 0.1462)

Conversions

Conversions Part 1

Format	Color
Hex	0679FF
RGB	6, 121, 255
RGB Percent	2%, 47%, 100%
CMY	0.9760, 0.5254, 0.0000
CMYK	0.98, 0.53, 0.00, 0.00
HSL	212°, 100%, 51%
HSV	212°, 98%, 100%
XYZ	24.9646, 20.9399, 97.3233
YIQ	101.8910, -111.5540, 17.2940

Conversions

Conversions Part 2

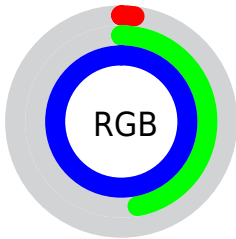
Format	Color
R _{YB}	6, 85, 255
Decimal	424447
CIE _{Lab}	52.88, 23.30, -73.89
CIE _{LCh}	53, 77.476, 287.499
Y _{xy}	20.9399, 0.1743, 0.1462
Android (android.graphics.Color)	4278614527 (0xFF0679FF)
Y _{UV}	101.8910, 75.4827, -84.0964
Hunter-Lab	45.7601, 17.3011, -94.0667

Details

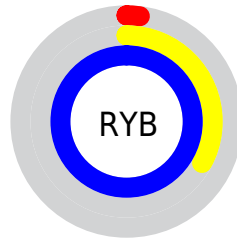
The Yxy color **20.9399, 0.1743, 0.1462** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **40.0539, 0.5280, 0.4174**, and the grayscale version is **13.0938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6845, 0.2207, 0.2248**, and **8.9288, 0.1663, 0.1185** is the 20% darker color. If you saturate the color by 10%, you get **20.1121, 0.1727, 0.1418**, and if you desaturate by 10%, it is **24.7799, 0.1818, 0.1652**.

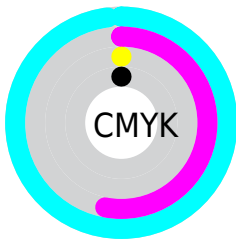
Distribution



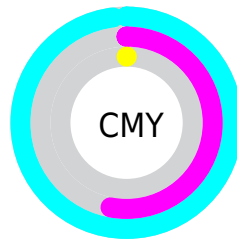
- Red (2%)
- Green (47%)
- Blue (100%)



- Red (2%)
- Yellow (33%)
- Blue (100%)



- Cyan (98%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (98%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9399, 0.1743, 0.1462 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 20.9399, 0.1743, 0.1462 by changing the saturation by 10% instead.


 20.9399, 0.1743,
0.1462

 20.9399, 0.1743,
0.1462


256.9589, 0.2455,
0.2337


 13.0801, 0.1575,
0.1273


 44.9875, 0.1998,
0.1761

 7.4837, 0.1371,
0.1053


 61.9440, 0.2095,
0.1879


 3.7664, 0.1122,
0.0799

 82.7016, 0.2178,
0.1982

 1.5438, 0.0825,
0.0519

 107.6447, 0.2250,
0.2071

 0.3192, 0.0495,
0.0181

 137.1575, 0.2311,
0.2150

 0.0000, 0.0000,
0.0000

171.6246, 0.2365,

0.2219

211.4302, 0.2413,
0.2281

■ 20.9399, 0.1743,
0.1462

■ 20.9399, 0.1743,
0.1462

■ 20.1121, 0.1727,
0.1418

■ 24.7799, 0.1818,
0.1652

■ 29.4237, 0.1918,
0.1856

■ 34.9547, 0.2044,
0.2068

■ 41.4394, 0.2188,
0.2281

■ 48.9359, 0.2347,
0.2488

■ 57.4965, 0.2513,
0.2685

■ 67.1693, 0.2681,
0.2868

■ 77.9990, 0.2848,
0.3035

■ 90.0275, 0.3009,
0.3186

Harmonies

Analogous

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



20.9399, 0.1214, 0.1521



20.9399, 0.1743, 0.1462



20.9399, 0.2746, 0.1704

Triad

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



20.9399, 0.1743, 0.1462



20.9399, 0.5731, 0.3705



20.9399, 0.1889, 0.4801

Complementary

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



20.9399, 0.1743, 0.1462



40.0539, 0.5280, 0.4174

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.



20.9399, 0.2961, 0.5913



20.9399, 0.1743, 0.1462



20.9399, 0.5158, 0.4602

Square

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



20.9399, 0.1743, 0.1462



20.9399, 0.5418, 0.2927



20.9399, 0.4127, 0.5548



20.9399, 0.1233, 0.3062

Rectangle

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



20.9399, 0.1743, 0.1462



20.9399, 0.3677, 0.2024



20.9399, 0.4127, 0.5548



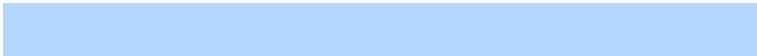
20.9399, 0.2215, 0.5332

Sweetspot

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



20.9404, 0.1743, 0.1462



65.7489, 0.2658, 0.2843



73.4119, 0.2693, 0.4884



13.1746, 0.2586, 0.2766



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.



20.9404, 0.1743, 0.1462



20.1142, 0.1727, 0.1418



7.4491, 0.1515, 0.0617



18.7599, 0.2979, 0.3159



10.8014, 0.1736, 0.1448



1.2674, 0.1795, 0.1663

Inverse Universe

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



22.7720, 0.5105, 0.2598



22.5617, 0.5166, 0.2620



91.2443, 0.4132, 0.5093



18.1266, 0.3221, 0.3181



11.8184, 0.5127, 0.2598



1.1725, 0.4852, 0.2447

Previews

White Background



This preview shows how the Yxy color 20.9399, 0.1743, 0.1462 looks on a white background.

Color Contrast Check

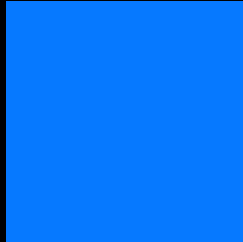
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9399, 0.1743, 0.1462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

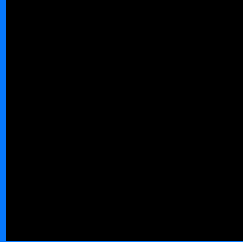
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

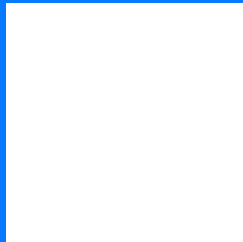
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.9399, 0.1743, 0.1462

Background



This preview shows how black text looks on a background with the Yxy color 20.9399, 0.1743, 0.1462.



This preview shows how white text looks on a background with the Yxy color 20.9399, 0.1743, 0.1462.

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

20.9335, 0.1743, 0.1462

Protanopia

21.0889, 0.1758, 0.1468

Deuteranopia

20.7123, 0.1840, 0.1823



Tritanopia

20.6034, 0.2195, 0.3103

Trichromacy



Original Color

20.9335, 0.1743, 0.1462

Protanomaly

21.0233, 0.1752, 0.1465

Deuteranomaly

20.6207, 0.1799, 0.1670

Tritanomaly

20.1033, 0.1975, 0.2302

Monochromacy



Original Color

20.9335, 0.1743, 0.1462

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.5992, 0.2216, 0.2318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9399, 0.1743, 0.1462 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(6, 121, 255)` looks like.

```
.text, #text, p{  
    color:rgb(6, 121, 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(6, 121, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 121, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.9399, 0.1743, 0.1462 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(6, 121, 255) }
```

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

```
.border{ border-color:rgb(6, 121, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 121, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 121, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 121, 255);  
box-shadow:4px 4px 4px 4px rgb(6, 121,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9399, 0.1743, 0.1462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 121, 255) }
```

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

```
.background{ background-color: rgb(6, 121,  
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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