

Converting Colors

$Y_{xy}(20.1568, 0.1971, 0.1973)$

Have a look what the booklet for
Yxy(20.1568, 0.1971, 0.1973)
contains.

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Color

$Y_{xy}(20.1568, 0.1971, 0.1973)$

Conversions

Conversions Part 1

Format	Color
Hex	347ECF
RGB	52, 126, 207
RGB Percent	20%, 49%, 81%
CMY	0.7965, 0.5058, 0.1882
CMYK	0.75, 0.39, 0.00, 0.19
HSL	211°, 62%, 51%
HSV	211°, 75%, 81%
XYZ	20.1364, 20.1568, 61.8700
YIQ	113.1080, -70.1050, 9.5030

Conversions

Conversions Part 2

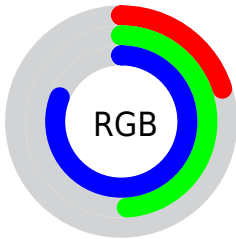
Format	Color
R _Y B	52, 102, 207
Decimal	3440335
CIE Lab	52.01, 4.91, -48.39
CIE LCh	52, 48.637, 275.789
Yxy	20.1568, 0.1971, 0.1973
Android (android.graphics.Color)	4281630415 (0xFF347ECF)
YUV	113.1080, 46.2888, -53.5917
Hunter-Lab	44.8963, 1.4901, -50.2780

Details

The Yxy color **20.1568, 0.1971, 0.1973** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark muted azure. A complement of this color would be **30.2611, 0.4808, 0.4189**, and the grayscale version is **16.4153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9827, 0.2244, 0.2320**, and **7.7158, 0.1791, 0.1647** is the 20% darker color. If you saturate the color by 10%, you get **17.1073, 0.1864, 0.1773**, and if you desaturate by 10%, it is **23.7469, 0.2100, 0.2177**.

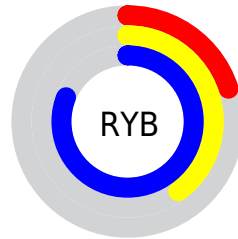
Distribution



Red (20%)

Green (49%)

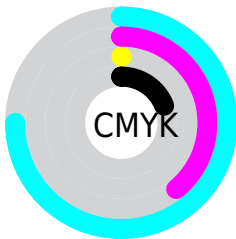
Blue (81%)



Red (20%)

Yellow (40%)

Blue (81%)

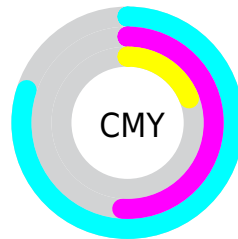


Cyan (75%)

Magenta (39%)

Yellow (0%)

Black (19%)



Cyan (80%)

Magenta (51%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1568, 0.1971, 0.1973 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 20.1568, 0.1971, 0.1973 by changing the saturation by 10% instead.

■ 20.1568, 0.1971,
0.1973

■ 20.1568, 0.1971,
0.1973

■ 252.7627, 0.2590,
0.2667

■ 12.5091, 0.1811,
0.1797

■ 43.6799, 0.2202,
0.2229

■ 7.0914, 0.1605,
0.1574

■ 60.3241, 0.2287,
0.2325

■ 3.5193, 0.1339,
0.1289

■ 80.7359, 0.2359,
0.2405

■ 1.4085, 0.0991,
0.0925

■ 105.2997, 0.2419,
0.2473

■ 0.2230, 0.0449,
0.0302

■ 134.3998, 0.2471,
0.2532

■ 0.0000, 0.0000,
0.0000

168.4208, 0.2516,

0.2583

207.7470, 0.2556,
0.2628

■ 20.1568, 0.1971,
0.1973

■ 20.1568, 0.1971,
0.1973

■ 17.1073, 0.1864,
0.1773

■ 23.7469, 0.2100,
0.2177

■ 14.5529, 0.1782,
0.1583

■ 27.9126, 0.2246,
0.2380

■ 13.4130, 0.1748,
0.1491

■ 32.6875, 0.2403,
0.2575

■ 38.1012, 0.2567,
0.2760

■ 44.1813, 0.2732,
0.2930

■ 50.9533, 0.2895,
0.3086

■ 58.4414, 0.3052,
0.3226

■ 66.6682, 0.3202,
0.3352

■ 75.6555, 0.3344,
0.3462

Harmonies

Analogous

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



20.1568, 0.1665, 0.2164



20.1568, 0.1971, 0.1973



20.1568, 0.2585, 0.2060

Triad

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



20.1568, 0.1971, 0.1973



20.1568, 0.4851, 0.3495



20.1568, 0.2637, 0.4538

Complementary

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



20.1568, 0.1971, 0.1973



30.2611, 0.4808, 0.4189

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.



20.1568, 0.3468, 0.4956



20.1568, 0.1971, 0.1973



20.1568, 0.4786, 0.4133

Square

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



20.1568, 0.1971, 0.1973



20.1568, 0.4343, 0.2889



20.1568, 0.4254, 0.4708



20.1568, 0.1987, 0.3591

Rectangle

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



20.1568, 0.1971, 0.1973



20.1568, 0.3148, 0.2252



20.1568, 0.4254, 0.4708



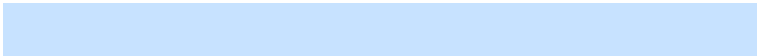
20.1568, 0.2905, 0.4759

Sweetspot

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



20.1574, 0.1971, 0.1973



73.5809, 0.2776, 0.2973



47.0271, 0.2673, 0.4506



15.1364, 0.2731, 0.2929



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.



20.1574, 0.1971, 0.1973



24.8049, 0.1811, 0.1655



7.7496, 0.1720, 0.0950



12.3362, 0.2982, 0.3165



8.6367, 0.1755, 0.1516



0.6414, 0.1850, 0.1859

Inverse Universe

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



17.2205, 0.4428, 0.2482



23.7305, 0.4848, 0.2502



57.7781, 0.4078, 0.4913



11.9010, 0.3217, 0.3179



8.9431, 0.5038, 0.2549



0.5160, 0.4615, 0.2316

Previews

White Background



This preview shows how the Yxy color 20.1568, 0.1971, 0.1973 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 20.1568, 0.1971, 0.1973 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 20.1568, 0.1971, 0.1973

Background



This preview shows how black text looks on a background with the Yxy color 20.1568, 0.1971, 0.1973.



This preview shows how white text looks on a background with the Yxy color 20.1568, 0.1971, 0.1973.

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

20.1568, 0.1971, 0.1973

Protanopia

20.1632, 0.2168, 0.2004

Deuteranopia

20.0441, 0.2015, 0.1955



Tritanopia

20.0294, 0.2183, 0.3060

Trichromacy



Original Color

20.1568, 0.1971, 0.1973

Protanomaly

20.1033, 0.2083, 0.1990

Deuteranomaly

20.1329, 0.1997, 0.1965

Tritanomaly

19.7781, 0.2078, 0.2598

Monochromacy



Original Color

20.1568, 0.1971, 0.1973

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.2876, 0.2531, 0.2725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1568, 0.1971, 0.1973 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(52, 126, 207)` looks like.

```
.text, #text, p{  
    color:rgb(52, 126, 207)  
}
```

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(52, 126, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 126, 207) }
```

Border

The CSS property to change the border of an element to Yxy 20.1568, 0.1971, 0.1973 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(52, 126, 207) }
```

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

```
.border{ border-color:rgb(52, 126, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 126, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 126, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 126, 207);  
box-shadow:4px 4px 4px 4px rgb(52, 126,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1568, 0.1971, 0.1973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 126, 207) }
```

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

```
.background{ background-color: rgb(52, 126,  
207) }
```

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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