

Converting Colors

$Yxy(20.3643, 0.1988, 0.2035)$

Have a look what the booklet for
Yxy(20.3643, 0.1988, 0.2035)
contains.

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Color

$Y_{xy}(20.5018, 0.1988, 0.2040)$

Conversions

Conversions Part 1

Format	Color
Hex	3380CC
RGB	51, 128, 204
RGB Percent	20%, 50%, 80%
CMY	0.8002, 0.4980, 0.2001
CMYK	0.75, 0.37, 0.00, 0.20
HSL	210°, 60%, 50%
HSV	210°, 75%, 80%
XYZ	19.9792, 20.5018, 60.0180
YIQ	113.6410, -70.2880, 7.3120

Conversions

Conversions Part 2

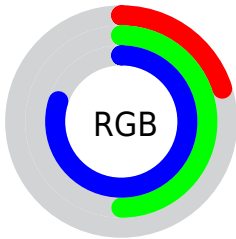
Format	Color
R _Y B	51, 102, 204
Decimal	3375308
CIE Lab	52.40, 2.46, -46.05
CIE LCh	52, 46.120, 273.064
Yxy	20.5018, 0.1988, 0.2040
Android (android.graphics.Color)	4281565388 (0xFF3380CC)
YUV	113.6410, 44.5470, -54.9362
Hunter-Lab	45.2789, -0.4754, -46.8947

Details

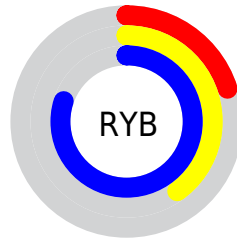
The Yxy color **20.5018, 0.1988, 0.2040** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark muted azure. A complement of this color would be **28.2307, 0.4854, 0.4143**, and the grayscale version is **16.5911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6444, 0.2240, 0.2344**, and **7.9072, 0.1814, 0.1729** is the 20% darker color. If you saturate the color by 10%, you get **17.5729, 0.1885, 0.1849**, and if you desaturate by 10%, it is **23.9279, 0.2113, 0.2234**.

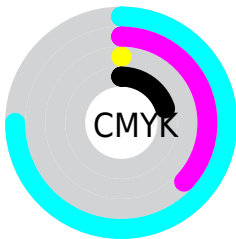
Distribution



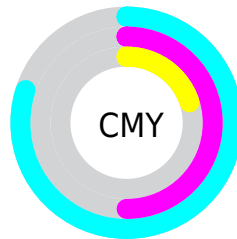
- Red (20%)
- Green (50%)
- Blue (80%)



- Red (20%)
- Yellow (40%)
- Blue (80%)



- Cyan (75%)
- Magenta (37%)
- Yellow (0%)
- Black (20%)



- Cyan (80%)
- Magenta (50%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5018, 0.1988, 0.2040 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 20.5018, 0.1988, 0.2040 by changing the saturation by 10% instead.

■ 20.5018, 0.1988,
0.2040

■ 20.5018, 0.1988,
0.2040

■ 254.6188, 0.2598,
0.2704

■ 12.7603, 0.1830,
0.1869

■ 44.2569, 0.2216,
0.2287

■ 7.2637, 0.1626,
0.1652

■ 61.0393, 0.2300,
0.2378

■ 3.6276, 0.1361,
0.1370

■ 81.6042, 0.2370,
0.2455

■ 1.4675, 0.1013,
0.1003

■ 106.3359, 0.2430,
0.2520

■ 0.2657, 0.0448,
0.0381

■ 135.6188, 0.2481,
0.2575

■ 0.0000, 0.0000,
0.0000

169.8373, 0.2525,

0.2624

209.3759, 0.2564,
0.2666

■ 20.5018, 0.1988,
0.2040

■ 20.5018, 0.1988,
0.2040

■ 17.5729, 0.1885,
0.1849

■ 23.9279, 0.2113,
0.2234

■ 15.0986, 0.1805,
0.1666

■ 27.8835, 0.2255,
0.2426

■ 14.0033, 0.1772,
0.1579

■ 32.3997, 0.2409,
0.2611

■ 37.5041, 0.2570,
0.2786

■ 43.2219, 0.2733,
0.2948

■ 49.5769, 0.2894,
0.3095

■ 56.5912, 0.3051,
0.3229

■ 64.2858, 0.3201,
0.3348

■ 72.6807, 0.3343,
0.3453

Harmonies

Analogous

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



20.5018, 0.1720, 0.2256



20.5018, 0.1988, 0.2040



20.5018, 0.2551, 0.2099

Triad

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



20.5018, 0.1988, 0.2040



20.5018, 0.4734, 0.3442



20.5018, 0.2738, 0.4520

Complementary

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



20.5018, 0.1988, 0.2040



28.2307, 0.4854, 0.4143

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.



20.5018, 0.3534, 0.4859



20.5018, 0.1988, 0.2040



20.5018, 0.4729, 0.4052

Square

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



20.5018, 0.1988, 0.2040



20.5018, 0.4208, 0.2864



20.5018, 0.4265, 0.4601



20.5018, 0.2092, 0.3664

Rectangle

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



20.5018, 0.1988, 0.2040



20.5018, 0.3073, 0.2270



20.5018, 0.4265, 0.4601



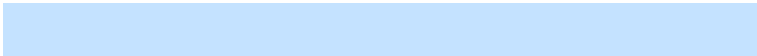
20.5018, 0.2997, 0.4708

Sweetspot

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



20.5025, 0.1988, 0.2040



73.3327, 0.2761, 0.2974



45.3572, 0.2699, 0.4594



14.9143, 0.2701, 0.2917



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.



20.5025, 0.1988, 0.2040



26.5034, 0.1833, 0.1735



7.6532, 0.1714, 0.0968



11.7620, 0.2983, 0.3172



9.0022, 0.1779, 0.1603



0.6162, 0.1877, 0.1956

Inverse Universe

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



16.7566, 0.4356, 0.2435



23.9020, 0.4750, 0.2446



55.0470, 0.4120, 0.4879



11.3063, 0.3213, 0.3174



8.7118, 0.4927, 0.2488



0.4648, 0.4503, 0.2254

Previews

White Background



This preview shows how the Yxy color 20.5018, 0.1988, 0.2040 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 20.5018, 0.1988, 0.2040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

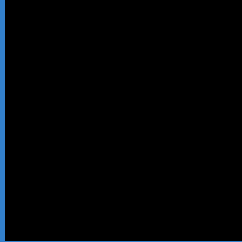
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5018, 0.1988, 0.2040

Background



This preview shows how black text looks on a background with the Yxy color 20.5018, 0.1988, 0.2040.



This preview shows how white text looks on a background with the Yxy color 20.5018, 0.1988, 0.2040.

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

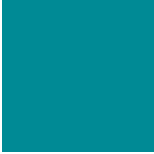
20.5018, 0.1988, 0.2040

Protanopia

20.4292, 0.2220, 0.2074

Deuteranopia

20.4915, 0.2065, 0.2005



Tritanopia

20.3469, 0.2184, 0.3062

Trichromacy



Original Color

20.5018, 0.1988, 0.2040

Protanomaly

20.2477, 0.2116, 0.2054

Deuteranomaly

20.4533, 0.2031, 0.2011

Tritanomaly

20.0532, 0.2084, 0.2619

Monochromacy



Original Color

20.5018, 0.1988, 0.2040

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.5244, 0.2534, 0.2745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5018, 0.1988, 0.2040 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(51, 128, 204)` looks like.

```
.text, #text, p{  
    color:rgb(51, 128, 204)  
}
```

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(51, 128, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 128, 204) }
```

Border

The CSS property to change the border of an element to Yxy 20.5018, 0.1988, 0.2040 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(51, 128, 204) }
```

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

```
.border{ border-color:rgb(51, 128, 204) }
```

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

Here you see how a box with a 4 pixel rgb(51, 128, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 128, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 128, 204);  
box-shadow:4px 4px 4px 4px rgb(51, 128,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5018, 0.1988, 0.2040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 128, 204) }
```

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

```
.background{ background-color: rgb(51, 128,  
204) }
```

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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