

Converting Colors

$Y_{xy}(18.6441, 0.2037, 0.2053)$

Have a look what the booklet for
Yxy(18.6441, 0.2037, 0.2053)
contains.

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Color

Yxy(18.5304, 0.2035, 0.2045)

Conversions

Conversions Part 1

Format	Color
Hex	3C79C2
RGB	60, 121, 194
RGB Percent	24%, 47%, 76%
CMY	0.7645, 0.5255, 0.2392
CMYK	0.69, 0.38, 0.00, 0.24
HSL	213°, 53%, 50%
HSV	213°, 69%, 76%
XYZ	18.4398, 18.5304, 53.6430
YIQ	111.0830, -59.7890, 9.7710

Conversions

Conversions Part 2

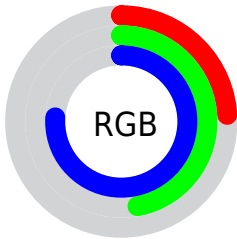
Format	Color
R_{YB}	60, 102, 194
Decimal	3963330
CIE _{Lab}	50.13, 4.39, -43.94
CIE _{LCh}	50, 44.157, 275.712
Yxy	18.5304, 0.2035, 0.2045
Android (android.graphics.Color)	4282153410 (0xFF3C79C2)
YUV	111.0830, 40.8781, -44.7998
Hunter-Lab	43.0470, 1.1309, -43.7514

Details

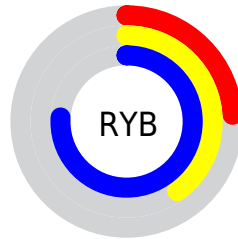
The Yxy color **18.5304, 0.2035, 0.2045** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **28.5828, 0.4614, 0.4192**, and the grayscale version is **15.8170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9898, 0.2263, 0.2297**, and **6.6585, 0.1802, 0.1686** is the 20% darker color. If you saturate the color by 10%, you get **15.6029, 0.1912, 0.1834**, and if you desaturate by 10%, it is **21.9622, 0.2178, 0.2257**.

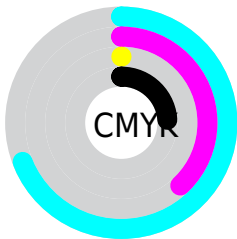
Distribution



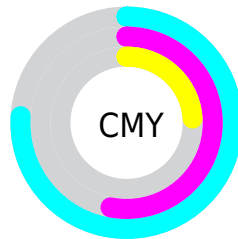
- Red (24%)
- Green (47%)
- Blue (76%)



- Red (24%)
- Yellow (40%)
- Blue (76%)



- Cyan (69%)
- Magenta (38%)
- Yellow (0%)
- Black (24%)



- Cyan (76%)
- Magenta (53%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5304, 0.2035, 0.2045 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 18.5304, 0.2035, 0.2045 by changing the saturation by 10% instead.

■ 18.5304, 0.2035,
0.2045

■ 18.5304, 0.2035,
0.2045

243.8439, 0.2632,
0.2715

■ 11.3315, 0.1875,
0.1869

■ 40.9391, 0.2261,
0.2297

■ 6.2902, 0.1667,
0.1642

■ 56.9176, 0.2344,
0.2389

■ 3.0224, 0.1390,
0.1345

■ 76.5914, 0.2412,
0.2466

■ 1.1434, 0.1020,
0.0956

■ 100.3449, 0.2470,
0.2532

■ 0.0147, 0.0235,
0.0029

■ 128.5625, 0.2519,
0.2587

■ 0.0000, 0.0000,
0.0000

161.6286, 0.2562,

0.2636

199.9276, 0.2599,
0.2678

■ 18.5304, 0.2035,
0.2045

■ 18.5304, 0.2035,
0.2045

■ 15.6029, 0.1912,
0.1834

■ 21.9622, 0.2178,
0.2257

■ 13.1432, 0.1812,
0.1632

■ 25.9269, 0.2334,
0.2464

■ 11.0984, 0.1736,
0.1443

■ 30.4524, 0.2498,
0.2661

■ 10.9200, 0.1729,
0.1425

■ 35.5638, 0.2664,
0.2845

■ 41.2846, 0.2829,
0.3013

■ 47.6367, 0.2989,
0.3166

■ 54.6409, 0.3141,
0.3302

■ 62.3168, 0.3285,
0.3423

■ 70.6833, 0.3420,
0.3530

Harmonies

Analogous

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



18.5304, 0.1743, 0.2234



18.5304, 0.2035, 0.2045



18.5304, 0.2619, 0.2125

Triad

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



18.5304, 0.2035, 0.2045



18.5304, 0.4740, 0.3495



18.5304, 0.2677, 0.4446

Complementary

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



18.5304, 0.2035, 0.2045



28.5828, 0.4614, 0.4192

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.



18.5304, 0.3462, 0.4840



18.5304, 0.2035, 0.2045



18.5304, 0.4691, 0.4100

Square

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



18.5304, 0.2035, 0.2045



18.5304, 0.4261, 0.2916



18.5304, 0.4200, 0.4630



18.5304, 0.2058, 0.3578

Rectangle

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



18.5304, 0.2035, 0.2045



18.5304, 0.3149, 0.2308



18.5304, 0.4200, 0.4630



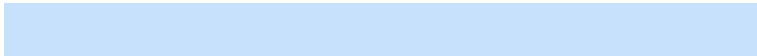
18.5304, 0.2931, 0.4650

Sweetspot

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



18.5310, 0.2035, 0.2045



72.3332, 0.2792, 0.2976



41.1971, 0.2669, 0.4348



15.1917, 0.2745, 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.



18.5310, 0.2035, 0.2045



25.8209, 0.1856, 0.1726



8.2381, 0.1833, 0.1118



10.4861, 0.2984, 0.3161



7.3394, 0.1736, 0.1449



0.4547, 0.1856, 0.1881

Inverse Universe

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



16.0857, 0.4325, 0.2547



24.3438, 0.4741, 0.2521



49.7972, 0.4013, 0.4847



10.1524, 0.3219, 0.3186



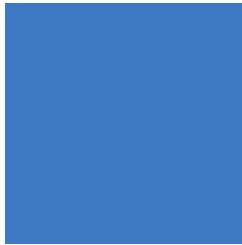
8.0231, 0.5125, 0.2597



0.3605, 0.4590, 0.2302

Previews

White Background



This preview shows how the Yxy color 18.5304, 0.2035, 0.2045 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 18.5304, 0.2035, 0.2045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

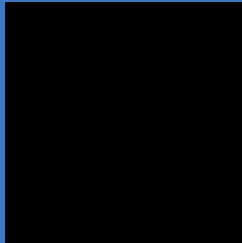
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5304, 0.2035, 0.2045

Background



This preview shows how black text looks on a background with the Yxy color 18.5304, 0.2035, 0.2045.

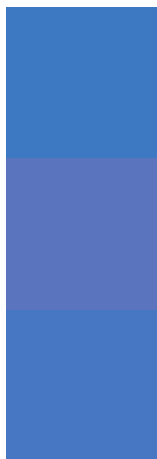


This preview shows how white text looks on a background with the Yxy color 18.5304, 0.2035, 0.2045.

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

18.5304, 0.2035, 0.2045

Protanopia

18.3821, 0.2211, 0.2057

Deuteranopia

18.4283, 0.2081, 0.2026



Tritanopia

18.5571, 0.2209, 0.3074

Trichromacy



Original Color

18.5304, 0.2035, 0.2045

Protanomaly

18.3807, 0.2139, 0.2058

Deuteranomaly

18.5213, 0.2064, 0.2037

Tritanomaly

18.3029, 0.2118, 0.2634

Monochromacy



Original Color

18.5304, 0.2035, 0.2045

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.4599, 0.2585, 0.2772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5304, 0.2035, 0.2045 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(60, 121, 194)` looks like.

```
.text, #text, p{  
    color:rgb(60, 121, 194)  
}
```

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(60, 121, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 121, 194) }
```

Border

The CSS property to change the border of an element to Yxy 18.5304, 0.2035, 0.2045 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(60, 121, 194) }
```

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

```
.border{ border-color:rgb(60, 121, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 121, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 121, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 121, 194);  
box-shadow:4px 4px 4px 4px rgb(60, 121,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5304, 0.2035, 0.2045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 121, 194) }
```

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

```
.background{ background-color: rgb(60, 121,  
194) }
```

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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