

Converting Colors

$Y_{xy}(16.3344, 0.2153, 0.1955)$

Have a look what the booklet for
Yxy(16.3344, 0.2153, 0.1955)
contains.

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Color

Yxy(16.3641, 0.2154, 0.1958)

Conversions

Conversions Part 1

Format	Color
Hex	536DBB
RGB	83, 109, 187
RGB Percent	33%, 43%, 73%
CMY	0.6746, 0.5725, 0.2668
CMYK	0.56, 0.42, 0.00, 0.27
HSL	225°, 43%, 53%
HSV	225°, 56%, 73%
XYZ	18.0022, 16.3641, 49.2093
YIQ	110.1180, -40.5340, 18.7460

Conversions

Conversions Part 2

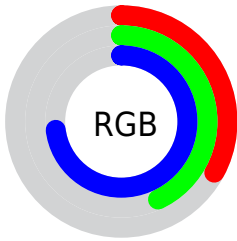
Format	Color
R_{YB}	83, 104, 187
Decimal	5467579
CIE _{Lab}	47.45, 13.66, -44.09
CIE _{LCh}	47, 46.156, 287.212
Yxy	16.3641, 0.2154, 0.1958
Android (android.graphics.Color)	4283657659 (0xFF536DBB)
YUV	110.1180, 37.9028, -23.7825
Hunter-Lab	40.4526, 8.6440, -43.8077

Details

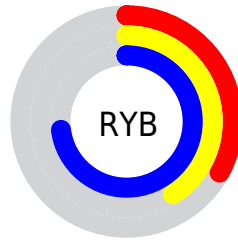
The Yxy color **16.3641, 0.2154, 0.1958** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **36.6590, 0.4099, 0.4320**, and the grayscale version is **15.5261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1622, 0.2363, 0.2220**, and **5.2403, 0.1795, 0.1529** is the 20% darker color. If you saturate the color by 10%, you get **12.8694, 0.1980, 0.1677**, and if you desaturate by 10%, it is **20.5662, 0.2339, 0.2238**.

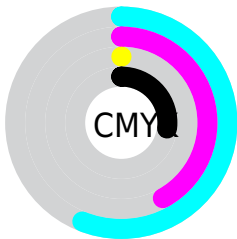
Distribution



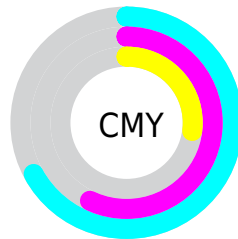
- Red (33%)
- Green (43%)
- Blue (73%)



- Red (33%)
- Yellow (41%)
- Blue (73%)



- Cyan (56%)
- Magenta (42%)
- Yellow (0%)
- Black (27%)



- Cyan (67%)
- Magenta (57%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3641, 0.2154, 0.1958 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 16.3641, 0.2154, 0.1958 by changing the saturation by 10% instead.

■ 16.3641, 0.2154,
0.1958

■ 16.3641, 0.2154,
0.1958

231.4807, 0.2702,
0.2674

■ 9.7822, 0.2000,
0.1770

■ 37.2292, 0.2367,
0.2227

■ 5.2548, 0.1795,
0.1529

■ 52.2811, 0.2443,
0.2326

■ 2.3975, 0.1515,
0.1215

■ 70.9251, 0.2506,
0.2408

■ 0.8246, 0.1127,
0.0809

■ 93.5456, 0.2558,
0.2478

■ 0.0000, 0.0154,
0.0000

120.5270, 0.2602,
0.2538

■ 0.0000, 0.0000,
0.0000

152.2538, 0.2640,

0.2589

189.1102, 0.2674,
0.2634

■ 16.3641, 0.2154,
0.1958

■ 16.3641, 0.2154,
0.1958

■ 12.8694, 0.1980,
0.1677

■ 20.5662, 0.2339,
0.2238

■ 10.0391, 0.1825,
0.1408

■ 25.5119, 0.2526,
0.2506

■ 7.8273, 0.1701,
0.1166

■ 31.2369, 0.2709,
0.2756

■ 6.1801, 0.1611,
0.0963

■ 37.7738, 0.2882,
0.2983

■ 5.6032, 0.1580,
0.0888

■ 45.1535, 0.3043,
0.3186

■ 53.4052, 0.3190,
0.3366

■ 62.5564, 0.3324,
0.3524

■ 72.6338, 0.3444,
0.3661

■ 83.6627, 0.3552,
0.3781

Harmonies

Analogous

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



16.3641, 0.1727, 0.2037



16.3641, 0.2154, 0.1958



16.3641, 0.2890, 0.2142

Triad

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



16.3641, 0.2154, 0.1958



16.3641, 0.4922, 0.3739



16.3641, 0.2343, 0.4227

Complementary

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



16.3641, 0.2154, 0.1958



36.6590, 0.4099, 0.4320

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.



16.3641, 0.3142, 0.4915



16.3641, 0.2154, 0.1958



16.3641, 0.4647, 0.4380

Square

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



16.3641, 0.2154, 0.1958



16.3641, 0.4625, 0.3107



16.3641, 0.3982, 0.4886



16.3641, 0.1803, 0.3215

Rectangle

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



16.3641, 0.2154, 0.1958



16.3641, 0.3508, 0.2392



16.3641, 0.3982, 0.4886



16.3641, 0.2590, 0.4525

Sweetspot

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



16.3646, 0.2154, 0.1958



65.6271, 0.2854, 0.2947



39.8803, 0.2589, 0.3740



13.9172, 0.2820, 0.2902



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.3646, 0.2154, 0.1958



21.6969, 0.1939, 0.1609



12.9127, 0.2280, 0.1622



9.6030, 0.2984, 0.3113



3.9605, 0.1585, 0.0907



0.2631, 0.1720, 0.1391

Inverse Universe

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



17.8505, 0.4338, 0.2940



26.0201, 0.4792, 0.2900



43.9106, 0.3691, 0.4715



9.5745, 0.3250, 0.3233



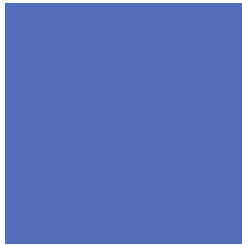
7.4295, 0.5901, 0.3025



0.3019, 0.5203, 0.2640

Previews

White Background



This preview shows how the Yxy color 16.3641, 0.2154, 0.1958 looks on a white background.

Color Contrast Check

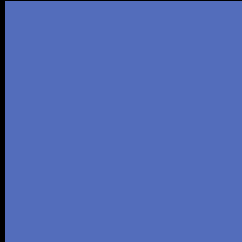
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.3641, 0.2154, 0.1958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

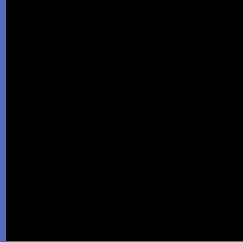
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.3641, 0.2154, 0.1958

Background



This preview shows how black text looks on a background with the Yxy color 16.3641, 0.2154, 0.1958.

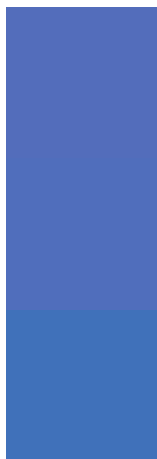


This preview shows how white text looks on a background with the Yxy color 16.3641, 0.2154, 0.1958.

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

16.3641, 0.2154, 0.1958

Protanopia

16.4882, 0.2132, 0.1957

Deuteranopia

16.4454, 0.2057, 0.2004



Tritanopia

16.3376, 0.2429, 0.3071

Trichromacy



Original Color

16.3641, 0.2154, 0.1958

Protanomaly

16.5320, 0.2138, 0.1959

Deuteranomaly

16.4731, 0.2093, 0.1998

Tritanomaly

16.2590, 0.2320, 0.2606

Monochromacy



Original Color

16.3641, 0.2154, 0.1958

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.6962, 0.2687, 0.2736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3641, 0.2154, 0.1958 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(83, 109, 187)` looks like.

```
.text, #text, p{  
    color:rgb(83, 109, 187)  
}
```

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(83, 109, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 109, 187) }
```

Border

The CSS property to change the border of an element to Yxy 16.3641, 0.2154, 0.1958 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(83, 109, 187) }
```

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

```
.border{ border-color:rgb(83, 109, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 109, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 109, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 109, 187);  
box-shadow:4px 4px 4px 4px rgb(83, 109,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3641, 0.2154, 0.1958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 109, 187) }
```

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

```
.background{ background-color: rgb(83, 109,  
187) }
```

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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