

Converting Colors

$Y_{xy}(14.7380, 0.1935, 0.1639)$

Have a look what the booklet for
Yxy(14.7380, 0.1935, 0.1639)
contains.

Yxy(14.8238, 0.1938, 0.1645)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(14.8238, 0.1938, 0.1645)

Conversions

Conversions Part 1

Format	Color
Hex	3F66CA
RGB	63, 102, 202
RGB Percent	25%, 40%, 79%
CMY	0.7528, 0.6000, 0.2078
CMYK	0.69, 0.50, 0.00, 0.21
HSL	223°, 57%, 52%
HSV	223°, 69%, 79%
XYZ	17.4641, 14.8238, 57.8263
YIQ	101.7390, -55.3440, 22.8320

Conversions

Conversions Part 2

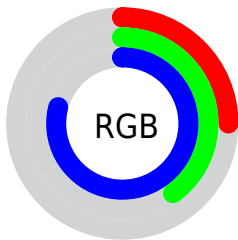
Format	Color
R _Y B	63, 93, 202
Decimal	4155082
CIE Lab	45.39, 19.63, -56.12
CIE LCh	45, 59.451, 289.284
Yxy	14.8238, 0.1938, 0.1645
Android (android.graphics.Color)	4282345162 (0xFF3F66CA)
YUV	101.7390, 49.4287, -33.9741
Hunter-Lab	38.5017, 13.5886, -62.0975

Details

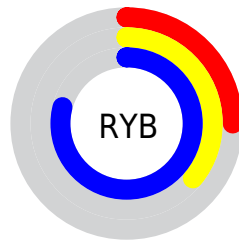
The Yxy color **14.8238, 0.1938, 0.1645** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **39.1290, 0.4373, 0.4460**, and the grayscale version is **13.0970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1121, 0.2213, 0.1993**, and **4.9349, 0.1678, 0.1239** is the 20% darker color. If you saturate the color by 10%, you get **11.6653, 0.1795, 0.1387**, and if you desaturate by 10%, it is **18.7282, 0.2104, 0.1917**.

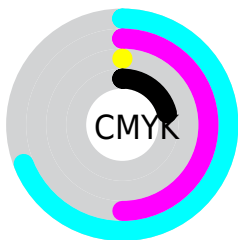
Distribution



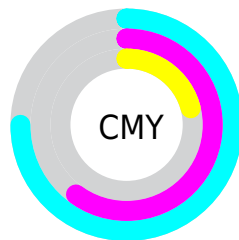
- Red (25%)
- Green (40%)
- Blue (79%)



- Red (25%)
- Yellow (36%)
- Blue (79%)



- Cyan (69%)
- Magenta (50%)
- Yellow (0%)
- Black (21%)



- Cyan (75%)
- Magenta (60%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.8238, 0.1938, 0.1645 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 14.8238, 0.1938, 0.1645 by changing the saturation by 10% instead.

■ 14.8238, 0.1938,
0.1645

■ 14.8238, 0.1938,
0.1645

■ 222.2972, 0.2603,
0.2505

■ 8.6958, 0.1759,
0.1435

■ 34.5438, 0.2192,
0.1958

■ 4.5433, 0.1528,
0.1176

■ 48.9046, 0.2284,
0.2077

■ 1.9819, 0.1227,
0.0860

■ 66.7784, 0.2360,
0.2177

■ 0.5969, 0.0844,
0.0473

■ 88.5497, 0.2424,
0.2262

■ 0.0000, 0.0000,
0.0000

■ 114.6028, 0.2479,
0.2335

145.3222, 0.2526,

0.2399

181.0922, 0.2567,
0.2456

■ 14.8238, 0.1938,
0.1645

■ 14.8238, 0.1938,
0.1645

■ 11.6653, 0.1795,
0.1387

■ 18.7282, 0.2104,
0.1917

■ 9.1971, 0.1683,
0.1156

■ 23.4254, 0.2284,
0.2190

■ 7.3453, 0.1604,
0.0964

■ 28.9596, 0.2469,
0.2453

■ 7.1554, 0.1595,
0.0943

■ 35.3712, 0.2652,
0.2700

■ 42.6978, 0.2827,
0.2927

■ 50.9746, 0.2992,
0.3130

■ 60.2351, 0.3145,
0.3311

■ 70.5109, 0.3284,
0.3469

■ 81.8324, 0.3411,
0.3608

Harmonies

Analogous

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



14.8238, 0.1416, 0.1693



14.8238, 0.1938, 0.1645



14.8238, 0.2874, 0.1886

Triad

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



14.8238, 0.1938, 0.1645



14.8238, 0.5429, 0.3790



14.8238, 0.2015, 0.4481

Complementary

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



14.8238, 0.1938, 0.1645



39.1290, 0.4373, 0.4460

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.



14.8238, 0.2983, 0.5495



14.8238, 0.1938, 0.1645



14.8238, 0.4946, 0.4603

Square

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



14.8238, 0.1938, 0.1645



14.8238, 0.5159, 0.3048



14.8238, 0.4039, 0.5356



14.8238, 0.1418, 0.3050

Rectangle

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



14.8238, 0.1938, 0.1645



14.8238, 0.3694, 0.2193



14.8238, 0.4039, 0.5356



14.8238, 0.2309, 0.4930

Sweetspot

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



14.8242, 0.1938, 0.1645



69.0495, 0.2784, 0.2872



45.9366, 0.2533, 0.3911



14.0259, 0.2735, 0.2810



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.



14.8242, 0.1938, 0.1645



17.3799, 0.1731, 0.1260



10.1576, 0.2018, 0.1208



11.3476, 0.2983, 0.3118



4.7349, 0.1602, 0.0965



0.3746, 0.1712, 0.1363

Inverse Universe

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



17.0758, 0.4758, 0.2847



23.9863, 0.5331, 0.2870



51.3663, 0.3790, 0.4990



11.2645, 0.3247, 0.3225



8.2810, 0.5811, 0.2975



0.4404, 0.5240, 0.2660

Previews

White Background



This preview shows how the Yxy color 14.8238, 0.1938, 0.1645 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 14.8238, 0.1938, 0.1645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

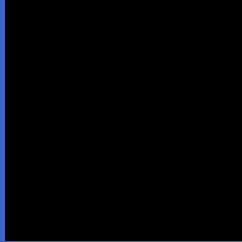
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8238, 0.1938, 0.1645

Background



This preview shows how black text looks on a background with the Yxy color 14.8238, 0.1938, 0.1645.



This preview shows how white text looks on a background with the Yxy color 14.8238, 0.1938, 0.1645.

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

14.8238, 0.1938, 0.1645

Protanopia

14.9641, 0.1886, 0.1639

Deuteranopia

14.7430, 0.1835, 0.1806



Tritanopia

14.7522, 0.2188, 0.3076

Trichromacy



Original Color

14.8238, 0.1938, 0.1645

Protanomaly

14.8245, 0.1901, 0.1638

Deuteranomaly

14.4757, 0.1839, 0.1720

Tritanomaly

14.3590, 0.2040, 0.2406

Monochromacy



Original Color

14.8238, 0.1938, 0.1645

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.4124, 0.2535, 0.2545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8238, 0.1938, 0.1645 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(63, 102, 202)` looks like.

```
.text, #text, p{  
    color:rgb(63, 102, 202)  
}
```

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(63, 102, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 102, 202) }
```

Border

The CSS property to change the border of an element to Yxy 14.8238, 0.1938, 0.1645 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(63, 102, 202) }
```

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

```
.border{ border-color:rgb(63, 102, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 102, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 102, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 102, 202);  
box-shadow:4px 4px 4px 4px rgb(63, 102,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8238, 0.1938, 0.1645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 102, 202) }
```

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

```
.background{ background-color: rgb(63, 102,  
202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor