

Converting Colors

$Y_{xy}(15.0687, 0.2066, 0.1865)$

Have a look what the booklet for
Yxy(15.0687, 0.2066, 0.1865)
contains.

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Color

Yxy(15.0687, 0.2066, 0.1865)

Conversions

Conversions Part 1

Format	Color
Hex	4869BB
RGB	72, 105, 187
RGB Percent	28%, 41%, 73%
CMY	0.7176, 0.5882, 0.2667
CMYK	0.61, 0.44, 0.00, 0.27
HSL	223°, 46%, 51%
HSV	223°, 61%, 73%
XYZ	16.6927, 15.0687, 49.0359
YIQ	104.4810, -45.9900, 18.5060

Conversions

Conversions Part 2

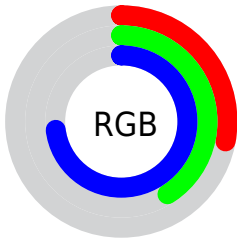
Format	Color
R_{YB}	72, 98, 187
Decimal	4745659
CIE _{Lab}	45.73, 13.94, -46.87
CIE _{LCh}	46, 48.902, 286.557
Yxy	15.0687, 0.2066, 0.1865
Android (android.graphics.Color)	4282935739 (0xFF4869BB)
YUV	104.4810, 40.6819, -28.4858
Hunter-Lab	38.8184, 8.8265, -47.7229

Details

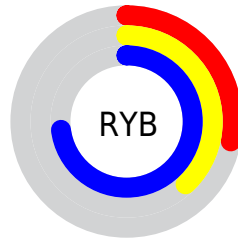
The Yxy color **15.0687, 0.2066, 0.1865** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **34.1400, 0.4241, 0.4359**, and the grayscale version is **13.8777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0544, 0.2298, 0.2152**, and **4.8214, 0.1734, 0.1442** is the 20% darker color. If you saturate the color by 10%, you get **11.9500, 0.1906, 0.1598**, and if you desaturate by 10%, it is **18.8328, 0.2242, 0.2135**.

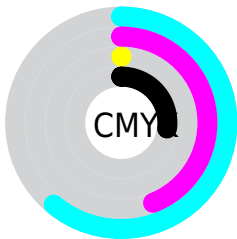
Distribution



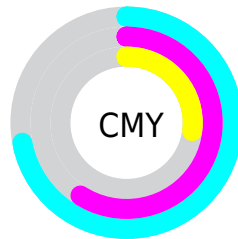
- Red (28%)
- Green (41%)
- Blue (73%)



- Red (28%)
- Yellow (38%)
- Blue (73%)



- Cyan (61%)
- Magenta (44%)
- Yellow (0%)
- Black (27%)



- Cyan (72%)
- Magenta (59%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0687, 0.2066, 0.1865 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 15.0687, 0.2066, 0.1865 by changing the saturation by 10% instead.

■ 15.0687, 0.2066,
0.1865

■ 15.0687, 0.2066,
0.1865

■ 223.7817, 0.2666,
0.2633

■ 8.8676, 0.1898,
0.1665

■ 34.9737, 0.2299,
0.2153

■ 4.6549, 0.1676,
0.1410

■ 49.4463, 0.2382,
0.2259

■ 2.0463, 0.1376,
0.1082

■ 67.4450, 0.2451,
0.2347

■ 0.6341, 0.0972,
0.0651

■ 89.3540, 0.2508,
0.2422

■ 0.0000, 0.0000,
0.0000

■ 115.5578, 0.2557,
0.2487

146.4407, 0.2598,

0.2542

182.3872, 0.2635,
0.2590

■ 15.0687, 0.2066,
0.1865

■ 15.0687, 0.2066,
0.1865

■ 11.9500, 0.1906,
0.1598

■ 18.8328, 0.2242,
0.2135

■ 9.4348, 0.1771,
0.1348

■ 23.2772, 0.2424,
0.2398

■ 7.4779, 0.1667,
0.1126

■ 28.4360, 0.2607,
0.2646

■ 6.1942, 0.1602,
0.0966

■ 34.3402, 0.2783,
0.2874

■ 41.0192, 0.2950,
0.3081

■ 48.5005, 0.3105,
0.3264

■ 56.8104, 0.3248,
0.3427

■ 65.9737, 0.3377,
0.3569

■ 76.0145, 0.3495,
0.3693

Harmonies

Analogous

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



15.0687, 0.1625, 0.1949



15.0687, 0.2066, 0.1865



15.0687, 0.2845, 0.2055

Triad

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



15.0687, 0.2066, 0.1865



15.0687, 0.5067, 0.3731



15.0687, 0.2287, 0.4343

Complementary

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



15.0687, 0.2066, 0.1865



34.1400, 0.4241, 0.4359

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.



15.0687, 0.3144, 0.5084



15.0687, 0.2066, 0.1865



15.0687, 0.4764, 0.4421

Square

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



15.0687, 0.2066, 0.1865



15.0687, 0.4742, 0.3066



15.0687, 0.4045, 0.5001



15.0687, 0.1711, 0.3219

Rectangle

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



15.0687, 0.2066, 0.1865



15.0687, 0.3512, 0.2316



15.0687, 0.4045, 0.5001



15.0687, 0.2552, 0.4672

Sweetspot

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



15.0692, 0.2066, 0.1865



65.1867, 0.2838, 0.2943



39.1971, 0.2577, 0.3864



13.6136, 0.2788, 0.2880



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.



15.0692, 0.2066, 0.1865



19.6137, 0.1853, 0.1503



10.6560, 0.2137, 0.1423



9.6594, 0.2984, 0.3122



4.3772, 0.1607, 0.0986



0.2875, 0.1747, 0.1488

Inverse Universe

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



16.2190, 0.4469, 0.2859



23.6996, 0.4965, 0.2832



43.8956, 0.3766, 0.4827



9.5802, 0.3244, 0.3224



7.4716, 0.5779, 0.2957



0.3044, 0.5074, 0.2569

Previews

White Background



This preview shows how the Yxy color 15.0687, 0.2066, 0.1865 looks on a white background.

Color Contrast Check

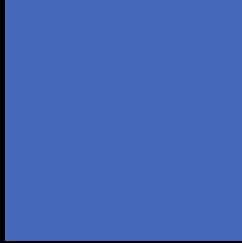
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0687, 0.2066, 0.1865 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 15.0687, 0.2066, 0.1865

Background



This preview shows how black text looks on a background with the Yxy color 15.0687, 0.2066, 0.1865.



This preview shows how white text looks on a background with the Yxy color 15.0687, 0.2066, 0.1865.

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

15.0687, 0.2066, 0.1865

Protanopia

15.0306, 0.2060, 0.1863

Deuteranopia

15.0868, 0.1959, 0.1906



Tritanopia

15.0290, 0.2315, 0.3059

Trichromacy



Original Color

15.0687, 0.2066, 0.1865

Protanomaly

15.0306, 0.2060, 0.1863

Deuteranomaly

15.1110, 0.1994, 0.1901

Tritanomaly

14.7645, 0.2207, 0.2536

Monochromacy



Original Color

15.0687, 0.2066, 0.1865

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.8972, 0.2624, 0.2668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0687, 0.2066, 0.1865 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(72, 105, 187)` looks like.

```
.text, #text, p{  
    color:rgb(72, 105, 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(72, 105, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 105, 187) }
```

Border

The CSS property to change the border of an element to Yxy 15.0687, 0.2066, 0.1865 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(72, 105, 187) }
```

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

```
.border{ border-color:rgb(72, 105, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 105, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 105, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 105, 187);  
box-shadow:4px 4px 4px 4px rgb(72, 105,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0687, 0.2066, 0.1865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 105, 187) }
```

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

```
.background{ background-color: rgb(72, 105,  
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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