

Converting Colors

$Y_{xy}(16.9301, 0.2030, 0.2029)$

Have a look what the booklet for
Yxy(16.9301, 0.2030, 0.2029)
contains.

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Color

Yxy(16.9485, 0.2030, 0.2036)

Conversions

Conversions Part 1

Format	Color
Hex	3974BB
RGB	57, 116, 187
RGB Percent	22%, 45%, 73%
CMY	0.7768, 0.5450, 0.2666
CMYK	0.70, 0.38, 0.00, 0.27
HSL	213°, 53%, 48%
HSV	213°, 70%, 73%
XYZ	16.8986, 16.9485, 49.3971
YIQ	106.4530, -57.9550, 9.5730

Conversions

Conversions Part 2

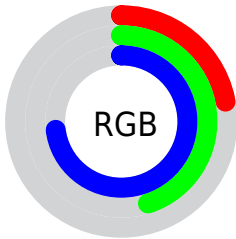
Format	Color
R_{YB}	57, 98, 187
Decimal	3765435
CIE _{Lab}	48.20, 4.45, -43.00
CIE _{LCh}	48, 43.226, 275.907
Yxy	16.9485, 0.2030, 0.2036
Android (android.graphics.Color)	4281955515 (0xFF3974BB)
YUV	106.4530, 39.7097, -43.3703
Hunter-Lab	41.1686, 1.2243, -42.3225

Details

The Yxy color **16.9485, 0.2030, 0.2036** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **26.2723, 0.4621, 0.4196**, and the grayscale version is **14.4390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3885, 0.2261, 0.2296**, and **5.9497, 0.1801, 0.1685** is the 20% darker color. If you saturate the color by 10%, you get **14.2727, 0.1908, 0.1826**, and if you desaturate by 10%, it is **20.0861, 0.2172, 0.2248**.

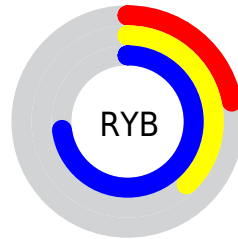
Distribution



 Red (22%)

 Green (45%)

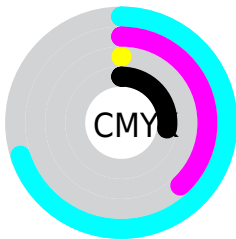
 Blue (73%)




 Red (22%)

 Yellow (38%)

 Blue (73%)

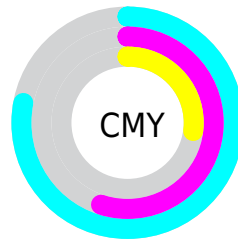


 Cyan (70%)


 Magenta (38%)

 Yellow (0%)

 Black (27%)



 Cyan (78%)

 Magenta (55%)

 Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9485, 0.2030, 0.2036 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 16.9485, 0.2030, 0.2036 by changing the saturation by 10% instead.

■ 16.9485, 0.2030,
0.2036

■ 16.9485, 0.2030,
0.2036

234.8754, 0.2637,
0.2720

■ 10.1978, 0.1864,
0.1853

■ 38.2372, 0.2263,
0.2295

■ 5.5303, 0.1647,
0.1616

■ 53.5440, 0.2347,
0.2390

■ 2.5616, 0.1355,
0.1304

■ 72.4716, 0.2416,
0.2468

■ 0.9074, 0.0962,
0.0893

■ 95.4044, 0.2475,
0.2534

■ 0.0000, 0.0000,
0.0000

■ 122.7267, 0.2525,
0.2591

154.8231, 0.2567,

0.2640

192.0779, 0.2605,
0.2682

■ 16.9485, 0.2030,
0.2036

■ 16.9485, 0.2030,
0.2036

■ 14.2727, 0.1908,
0.1826

■ 20.0861, 0.2172,
0.2248

■ 12.0253, 0.1809,
0.1624

■ 23.7117, 0.2327,
0.2455

■ 10.1533, 0.1733,
0.1435

■ 27.8511, 0.2491,
0.2652

■ 10.0786, 0.1730,
0.1427

■ 32.5273, 0.2657,
0.2836

■ 37.7619, 0.2821,
0.3005

■ 43.5749, 0.2981,
0.3158

■ 49.9855, 0.3134,
0.3296

■ 57.0118, 0.3278,
0.3417

■ 64.6708, 0.3412,
0.3525

Harmonies

Analogous

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



16.9485, 0.1734, 0.2223



16.9485, 0.2030, 0.2036



16.9485, 0.2620, 0.2119

Triad

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



16.9485, 0.2030, 0.2036



16.9485, 0.4755, 0.3499



16.9485, 0.2668, 0.4453

Complementary

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



16.9485, 0.2030, 0.2036



26.2723, 0.4621, 0.4196

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.



16.9485, 0.3458, 0.4853



16.9485, 0.2030, 0.2036



16.9485, 0.4700, 0.4108

Square

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



16.9485, 0.2030, 0.2036



16.9485, 0.4276, 0.2917



16.9485, 0.4202, 0.4642



16.9485, 0.2047, 0.3574

Rectangle

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



16.9485, 0.2030, 0.2036



16.9485, 0.3154, 0.2304



16.9485, 0.4202, 0.4642



16.9485, 0.2923, 0.4660

Sweetspot

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



16.9491, 0.2030, 0.2036



65.8925, 0.2792, 0.2977



37.9240, 0.2668, 0.4354



13.9269, 0.2747, 0.2930



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.



16.9491, 0.2030, 0.2036



23.5477, 0.1857, 0.1728



7.5052, 0.1827, 0.1109



9.9201, 0.2984, 0.3162



7.0845, 0.1736, 0.1449



0.4083, 0.1865, 0.1914

Inverse Universe

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



14.7439, 0.4336, 0.2546



22.2005, 0.4738, 0.2522



45.8641, 0.4015, 0.4852



9.6065, 0.3219, 0.3186



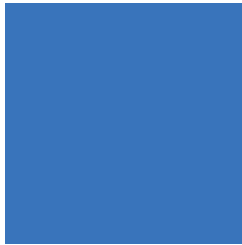
7.7449, 0.5126, 0.2597



0.3166, 0.4551, 0.2281

Previews

White Background



This preview shows how the Yxy color 16.9485, 0.2030, 0.2036 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 16.9485, 0.2030, 0.2036 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 16.9485, 0.2030, 0.2036

Background



This preview shows how black text looks on a background with the Yxy color 16.9485, 0.2030, 0.2036.



This preview shows how white text looks on a background with the Yxy color 16.9485, 0.2030, 0.2036.

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

16.9485, 0.2030, 0.2036

Protanopia

16.7662, 0.2206, 0.2047

Deuteranopia

16.8158, 0.2073, 0.2015



Tritanopia

16.7666, 0.2188, 0.3044

Trichromacy



Original Color

16.9485, 0.2030, 0.2036

Protanomaly

16.7668, 0.2132, 0.2048

Deuteranomaly

16.9061, 0.2056, 0.2026

Tritanomaly

16.4923, 0.2099, 0.2607

Monochromacy



Original Color

16.9485, 0.2030, 0.2036

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.9758, 0.2586, 0.2772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9485, 0.2030, 0.2036 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(57, 116, 187)` looks like.

```
.text, #text, p{  
    color:rgb(57, 116, 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(57, 116, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 116, 187) }
```

Border

The CSS property to change the border of an element to Yxy 16.9485, 0.2030, 0.2036 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(57, 116, 187) }
```

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

```
.border{ border-color:rgb(57, 116, 187) }
```

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

Here you see how a box with a 4 pixel rgb(57, 116, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 116, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 116, 187);  
box-shadow:4px 4px 4px 4px rgb(57, 116,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9485, 0.2030, 0.2036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 116, 187) }
```

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

```
.background{ background-color: rgb(57, 116,  
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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