

Converting Colors

$Yxy(16.4412, 0.1898, 0.1988)$

Have a look what the booklet for
Yxy(16.4412, 0.1898, 0.1988)
contains.

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Color

Yxy(16.4749, 0.1899, 0.1993)

Conversions

Conversions Part 1

Format	Color
Hex	0C75BD
RGB	12, 117, 189
RGB Percent	5%, 46%, 74%
CMY	0.9526, 0.5412, 0.2589
CMYK	0.94, 0.38, 0.00, 0.26
HSL	204°, 88%, 39%
HSV	204°, 94%, 74%
XYZ	15.6979, 16.4749, 50.4911
YIQ	93.8130, -85.6920, 0.1320

Conversions

Conversions Part 2

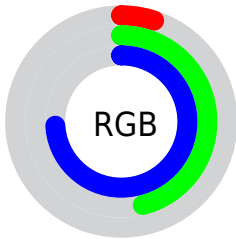
Format	Color
R_{YB}	12, 78, 189
Decimal	816573
CIE _{Lab}	47.59, 0.23, -45.16
CIE _{LCh}	48, 45.164, 270.288
Yxy	16.4749, 0.1899, 0.1993
Android (android.graphics.Color)	4279006653 (0xFF0C75BD)
YUV	93.8130, 46.9272, -71.7500
Hunter-Lab	40.5893, -1.9966, -45.3413

Details

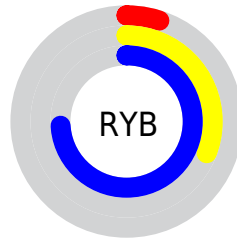
The Yxy color **16.4749, 0.1899, 0.1993** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **17.1960, 0.5529, 0.3925**, and the grayscale version is **11.0556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5711, 0.2155, 0.2265**, and **6.0055, 0.1794, 0.1657** is the 20% darker color. If you saturate the color by 10%, you get **15.2809, 0.1860, 0.1897**, and if you desaturate by 10%, it is **18.5541, 0.1972, 0.2147**.

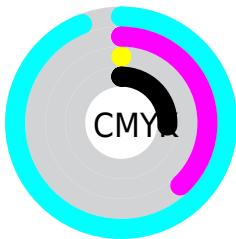
Distribution



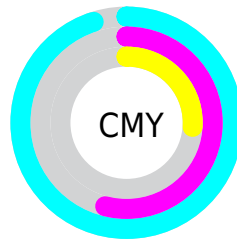
- Red (5%)
- Green (46%)
- Blue (74%)



- Red (5%)
- Yellow (31%)
- Blue (74%)



- Cyan (94%)
- Magenta (38%)
- Yellow (0%)
- Black (26%)



- Cyan (95%)
- Magenta (54%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4749, 0.1899, 0.1993 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 16.4749, 0.1899, 0.1993 by changing the saturation by 10% instead.

■ 16.4749, 0.1899,
0.1993

■ 16.4749, 0.1899,
0.1993

■ 232.1279, 0.2573,
0.2704

■ 9.8608, 0.1719,
0.1803

■ 37.4207, 0.2155,
0.2263

■ 5.3068, 0.1486,
0.1557

■ 52.5212, 0.2248,
0.2361

■ 2.4284, 0.1180,
0.1236

■ 71.2194, 0.2326,
0.2443

■ 0.8404, 0.0784,
0.0820

■ 93.8995, 0.2391,
0.2512

■ 0.0000, 0.0000,
0.0000

■ 120.9460, 0.2447,
0.2571

■ 152.7433, 0.2495,

0.2621

189.6758, 0.2536,
0.2666

■ 16.4749, 0.1899,
0.1993

■ 16.4749, 0.1899,
0.1993

■ 15.2809, 0.1860,
0.1897

■ 18.5541, 0.1972,
0.2147

■ 20.9553, 0.2067,
0.2304

■ 23.7084, 0.2181,
0.2461

■ 26.8385, 0.2312,
0.2615

■ 30.3676, 0.2455,
0.2762

■ 34.3155, 0.2607,
0.2901

■ 38.7005, 0.2762,
0.3030

■ 43.5397, 0.2918,
0.3148

■ 48.8490, 0.3073,
0.3254

Harmonies

Analogous

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



16.4749, 0.1650, 0.2241



16.4749, 0.1899, 0.1993



16.4749, 0.2454, 0.2032

Triad

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



16.4749, 0.1899, 0.1993



16.4749, 0.4789, 0.3381



16.4749, 0.2786, 0.4658

Complementary

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



16.4749, 0.1899, 0.1993



17.1960, 0.5529, 0.3925

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.



16.4749, 0.3620, 0.4941



16.4749, 0.1899, 0.1993



16.4749, 0.4828, 0.4014

Square

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



16.4749, 0.1899, 0.1993



16.4749, 0.4191, 0.2790



16.4749, 0.4370, 0.4609



16.4749, 0.2090, 0.3774

Rectangle

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



16.4749, 0.1899, 0.1993



16.4749, 0.2985, 0.2196



16.4749, 0.4370, 0.4609



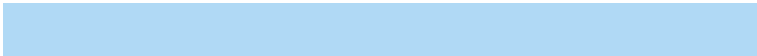
16.4749, 0.3060, 0.4835

Sweetspot

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



16.4754, 0.1899, 0.1993



65.4184, 0.2687, 0.2969



37.0921, 0.2793, 0.5205



13.3531, 0.2620, 0.2912



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.



16.4754, 0.1899, 0.1993



26.8875, 0.1854, 0.1874



4.6695, 0.1555, 0.0741



10.1405, 0.2984, 0.3194



10.4357, 0.1866, 0.1916



0.5343, 0.1967, 0.2280

Inverse Universe

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



12.3669, 0.4453, 0.2264



21.4265, 0.4598, 0.2307



40.0836, 0.4352, 0.4891



9.6288, 0.3198, 0.3155



8.0832, 0.4549, 0.2280



0.3293, 0.4147, 0.2058

Previews

White Background



This preview shows how the Yxy color 16.4749, 0.1899, 0.1993 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 16.4749, 0.1899, 0.1993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

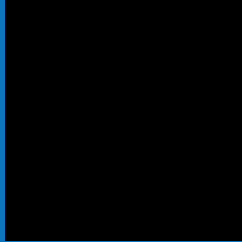
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4749, 0.1899, 0.1993

Background



This preview shows how black text looks on a background with the Yxy color 16.4749, 0.1899, 0.1993.



This preview shows how white text looks on a background with the Yxy color 16.4749, 0.1899, 0.1993.

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

16.4749, 0.1899, 0.1993

Protanopia

16.4556, 0.2188, 0.2025

Deuteranopia

16.4275, 0.2008, 0.1947



Tritanopia

16.3885, 0.2190, 0.3085

Trichromacy



Original Color

16.4749, 0.1899, 0.1993

Protanomaly

16.2126, 0.2031, 0.2007

Deuteranomaly

16.2237, 0.1945, 0.1944

Tritanomaly

16.2780, 0.2066, 0.2619

Monochromacy



Original Color

16.4749, 0.1899, 0.1993

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.1777, 0.2377, 0.2673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4749, 0.1899, 0.1993 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(12, 117, 189)` looks like.

```
.text, #text, p{  
    color:rgb(12, 117, 189)  
}
```

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(12, 117, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 117, 189) }
```

Border

The CSS property to change the border of an element to Yxy 16.4749, 0.1899, 0.1993 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(12, 117, 189) }
```

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

```
.border{ border-color:rgb(12, 117, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 117, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 117, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 117, 189);  
box-shadow:4px 4px 4px 4px rgb(12, 117,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4749, 0.1899, 0.1993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 117, 189) }
```

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

```
.background{ background-color: rgb(12, 117,  
189) }
```

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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