

Converting Colors

$Y_{xy}(16.4732, 0.1982, 0.1909)$

Have a look what the booklet for
Yxy(16.4732, 0.1982, 0.1909)
contains.

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Color

Yxy(16.4727, 0.1982, 0.1909)

Conversions

Conversions Part 1

Format	Color
Hex	3771C1
RGB	55, 113, 193
RGB Percent	22%, 44%, 76%
CMY	0.7844, 0.5568, 0.2432
CMYK	0.72, 0.41, 0.00, 0.24
HSL	215°, 56%, 49%
HSV	215°, 72%, 76%
XYZ	17.1026, 16.4727, 52.7144
YIQ	104.7780, -60.2480, 12.5840

Conversions

Conversions Part 2

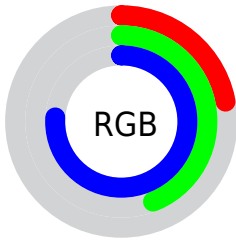
Format	Color
R_{YB}	55, 96, 193
Decimal	3633601
CIE _{Lab}	47.59, 8.19, -47.41
CIE _{LCh}	48, 48.110, 279.801
Yxy	16.4727, 0.1982, 0.1909
Android (android.graphics.Color)	4281823681 (0xFF3771C1)
YUV	104.7780, 43.4934, -43.6553
Hunter-Lab	40.5866, 4.1909, -48.5960

Details

The Yxy color **16.4727, 0.1982, 0.1909** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **28.9212, 0.4621, 0.4266**, and the grayscale version is **13.9550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3046, 0.2223, 0.2182**, and **5.7605, 0.1759, 0.1534** is the 20% darker color. If you saturate the color by 10%, you get **13.6874, 0.1860, 0.1689**, and if you desaturate by 10%, it is **19.7794, 0.2125, 0.2134**.

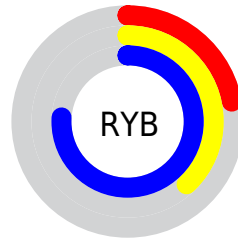
Distribution



Red (22%)

Green (44%)

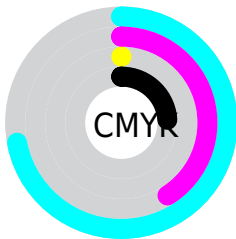
Blue (76%)



Red (22%)

Yellow (38%)

Blue (76%)

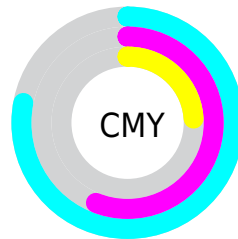


Cyan (72%)

Magenta (41%)

Yellow (0%)

Black (24%)



Cyan (78%)

Magenta (56%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4727, 0.1982, 0.1909 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 16.4727, 0.1982, 0.1909 by changing the saturation by 10% instead.

■ 16.4727, 0.1982,
0.1909

■ 16.4727, 0.1982,
0.1909

■ 232.1151, 0.2615,
0.2652

■ 9.8593, 0.1811,
0.1716

■ 37.4169, 0.2224,
0.2187

■ 5.3057, 0.1588,
0.1470

■ 52.5165, 0.2311,
0.2290

■ 2.4277, 0.1293,
0.1153

■ 71.2135, 0.2384,
0.2375

■ 0.8401, 0.0904,
0.0754

■ 93.8925, 0.2445,
0.2448

■ 0.0000, 0.0000,
0.0000

■ 120.9377, 0.2497,
0.2510

152.7336, 0.2542,

0.2564

189.6646, 0.2581,
0.2611

■ 16.4727, 0.1982,
0.1909

■ 16.4727, 0.1982,
0.1909

■ 13.6874, 0.1860,
0.1689

■ 19.7794, 0.2125,
0.2134

■ 11.3844, 0.1763,
0.1481

■ 23.6388, 0.2283,
0.2356

■ 9.7566, 0.1700,
0.1319

■ 28.0809, 0.2450,
0.2569

■ 33.1328, 0.2620,
0.2769

■ 38.8194, 0.2787,
0.2953

■ 45.1644, 0.2950,
0.3120

■ 52.1899, 0.3105,
0.3269

■ 59.9171, 0.3250,
0.3401

■ 68.3660, 0.3385,
0.3518

Harmonies

Analogous

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



16.4727, 0.1624, 0.2061



16.4727, 0.1982, 0.1909



16.4727, 0.2664, 0.2036

Triad

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



16.4727, 0.1982, 0.1909



16.4727, 0.4972, 0.3579



16.4727, 0.2496, 0.4507

Complementary

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



16.4727, 0.1982, 0.1909



28.9212, 0.4621, 0.4266

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.



16.4727, 0.3354, 0.5046



16.4727, 0.1982, 0.1909



16.4727, 0.4814, 0.4245

Square

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



16.4727, 0.1982, 0.1909



16.4727, 0.4516, 0.2944



16.4727, 0.4199, 0.4838



16.4727, 0.1861, 0.3461

Rectangle

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



16.4727, 0.1982, 0.1909



16.4727, 0.3276, 0.2256



16.4727, 0.4199, 0.4838



16.4727, 0.2769, 0.4772

Sweetspot

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



16.4732, 0.1982, 0.1909



69.7424, 0.2790, 0.2956



40.6381, 0.2639, 0.4309



14.3278, 0.2744, 0.2907



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



16.4732, 0.1982, 0.1909



22.0128, 0.1800, 0.1566



7.6753, 0.1821, 0.1066



10.4286, 0.2984, 0.3153



6.6420, 0.1706, 0.1342



0.4231, 0.1830, 0.1789

Inverse Universe

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



15.2567, 0.4480, 0.2596



22.9968, 0.4947, 0.2602



48.5663, 0.3989, 0.4909



10.1466, 0.3225, 0.3194



7.9527, 0.5269, 0.2676



0.3574, 0.4698, 0.2362

Previews

White Background



This preview shows how the Yxy color 16.4727, 0.1982, 0.1909 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 16.4727, 0.1982, 0.1909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

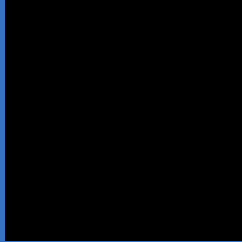
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

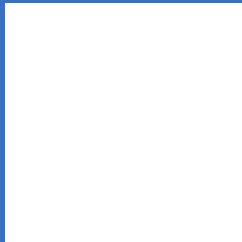
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.4727, 0.1982, 0.1909

Background



This preview shows how black text looks on a background with the Yxy color 16.4727, 0.1982, 0.1909.



This preview shows how white text looks on a background with the Yxy color 16.4727, 0.1982, 0.1909.

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

16.4727, 0.1982, 0.1909

Protanopia

16.4893, 0.2108, 0.1930

Deuteranopia

16.5887, 0.1970, 0.1921



Tritanopia

16.4165, 0.2184, 0.3063

Trichromacy



Original Color

16.4727, 0.1982, 0.1909

Protanomaly

16.4326, 0.2058, 0.1920

Deuteranomaly

16.6149, 0.1974, 0.1922

Tritanomaly

16.2238, 0.2076, 0.2565

Monochromacy



Original Color

16.4727, 0.1982, 0.1909

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.5575, 0.2552, 0.2690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4727, 0.1982, 0.1909 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(55, 113, 193)` looks like.

```
.text, #text, p{  
    color:rgb(55, 113, 193)  
}
```

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(55, 113, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 113, 193) }
```

Border

The CSS property to change the border of an element to Yxy 16.4727, 0.1982, 0.1909 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(55, 113, 193) }
```

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

```
.border{ border-color:rgb(55, 113, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 113, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 113, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 113, 193);  
box-shadow:4px 4px 4px 4px rgb(55, 113,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4727, 0.1982, 0.1909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 113, 193) }
```

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

```
.background{ background-color: rgb(55, 113,  
193) }
```

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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