

Converting Colors

$Yxy(17.6523, 0.1864, 0.1705)$

Have a look what the booklet for
Yxy(17.6523, 0.1864, 0.1705)
contains.

Yxy(17.6392, 0.1864, 0.1702)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.6392, 0.1864, 0.1702)

Conversions

Conversions Part 1

Format	Color
Hex	2973D7
RGB	41, 115, 215
RGB Percent	16%, 45%, 84%
CMY	0.8383, 0.5491, 0.1568
CMYK	0.81, 0.47, 0.00, 0.16
HSL	215°, 68%, 50%
HSV	215°, 81%, 84%
XYZ	19.3181, 17.6392, 66.6807
YIQ	104.2740, -76.2040, 15.4120

Conversions

Conversions Part 2

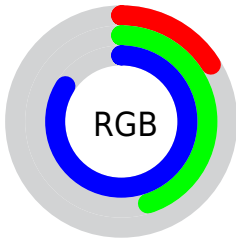
Format	Color
R_{YB}	41, 93, 215
Decimal	2716631
CIE Lab	49.06, 13.56, -57.68
CIE LCh	49, 59.250, 283.234
Yxy	17.6392, 0.1864, 0.1702
Android (android.graphics.Color)	4280906711 (0xFF2973D7)
YUV	104.2740, 54.5879, -55.4913
Hunter-Lab	41.9990, 8.6056, -64.7338

Details

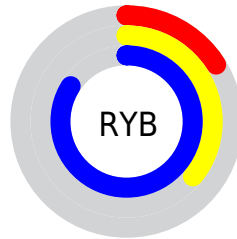
The Yxy color **17.6392, 0.1864, 0.1702** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **33.7377, 0.4849, 0.4305**, and the grayscale version is **13.8037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0698, 0.2187, 0.2156**, and **6.6374, 0.1713, 0.1366** is the 20% darker color. If you saturate the color by 10%, you get **14.6743, 0.1767, 0.1494**, and if you desaturate by 10%, it is **21.2256, 0.1987, 0.1923**.

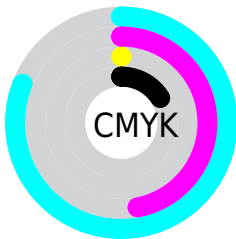
Distribution



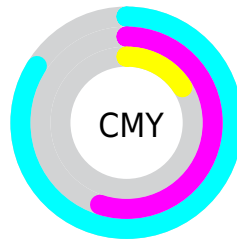
- Red (16%)
- Green (45%)
- Blue (84%)



- Red (16%)
- Yellow (36%)
- Blue (84%)



- Cyan (81%)
- Magenta (47%)
- Yellow (0%)
- Black (16%)



- Cyan (84%)
- Magenta (55%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6392, 0.1864, 0.1702 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 17.6392, 0.1864, 0.1702 by changing the saturation by 10% instead.

■ 17.6392, 0.1864,
0.1702

■ 17.6392, 0.1864,
0.1702

■ 238.8295, 0.2545,
0.2521

■ 10.6913, 0.1689,
0.1504

■ 39.4216, 0.2118,
0.1998

■ 5.8596, 0.1469,
0.1262

■ 55.0248, 0.2212,
0.2110

■ 2.7599, 0.1188,
0.0966

■ 74.2819, 0.2291,
0.2206

■ 1.0077, 0.0836,
0.0617

■ 97.5773, 0.2357,
0.2287

■ 0.0000, 0.0283,
0.0000

■ 125.2953, 0.2414,
0.2358

■ 0.0000, 0.0000,
0.0000

157.8204, 0.2464,

0.2419

195.5370, 0.2507,
0.2473

■ 17.6392, 0.1864,
0.1702

■ 17.6392, 0.1864,
0.1702

■ 14.6743, 0.1767,
0.1494

■ 21.2256, 0.1987,
0.1923

■ 12.4303, 0.1700,
0.1318

■ 25.4805, 0.2131,
0.2148

■ 30.4466, 0.2290,
0.2370

■ 36.1620, 0.2458,
0.2582

■ 42.6615, 0.2628,
0.2782

■ 49.9773, 0.2797,
0.2965

■ 58.1399, 0.2960,
0.3130

■ 67.1777, 0.3115,
0.3279

■ 77.1180, 0.3261,
0.3410

Harmonies

Analogous

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



17.6392, 0.1430, 0.1817



17.6392, 0.1864, 0.1702



17.6392, 0.2681, 0.1881

Triad

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



17.6392, 0.1864, 0.1702



17.6392, 0.5323, 0.3645



17.6392, 0.2249, 0.4661

Complementary

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



17.6392, 0.1864, 0.1702



33.7377, 0.4849, 0.4305

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.



17.6392, 0.3218, 0.5411



17.6392, 0.1864, 0.1702



17.6392, 0.5008, 0.4412

Square

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



17.6392, 0.1864, 0.1702



17.6392, 0.4892, 0.2936



17.6392, 0.4214, 0.5144



17.6392, 0.1583, 0.3322

Rectangle

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



17.6392, 0.1864, 0.1702



17.6392, 0.3424, 0.2145



17.6392, 0.4214, 0.5144



17.6392, 0.2551, 0.5026

Sweetspot

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



17.6397, 0.1864, 0.1702



69.7293, 0.2740, 0.2904



50.9655, 0.2629, 0.4476



14.0981, 0.2679, 0.2838



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.



17.6397, 0.1864, 0.1702



18.9944, 0.1715, 0.1357



7.2610, 0.1675, 0.0837



12.8664, 0.2982, 0.3152



7.6346, 0.1707, 0.1346



0.6226, 0.1802, 0.1686

Inverse Universe

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



17.2878, 0.4759, 0.2577



22.6097, 0.5245, 0.2678



61.5220, 0.4041, 0.5028



12.5074, 0.3225, 0.3191



9.1156, 0.5264, 0.2674



0.5662, 0.4824, 0.2431

Previews

White Background



This preview shows how the Yxy color 17.6392, 0.1864, 0.1702 looks on a white background.

Color Contrast Check

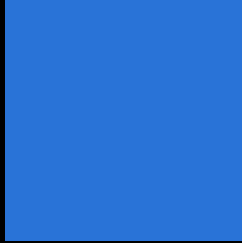
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6392, 0.1864, 0.1702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

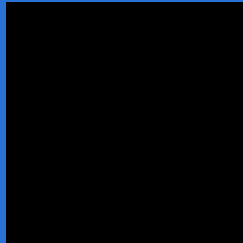
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6392, 0.1864, 0.1702

Background



This preview shows how black text looks on a background with the Yxy color 17.6392, 0.1864, 0.1702.



This preview shows how white text looks on a background with the Yxy color 17.6392, 0.1864, 0.1702.

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

17.6392, 0.1864, 0.1702

Protanopia

17.4656, 0.1948, 0.1713

Deuteranopia

17.5109, 0.1832, 0.1796



Tritanopia

17.5355, 0.2192, 0.3090

Trichromacy



Original Color

17.6392, 0.1864, 0.1702

Protanomaly

17.4551, 0.1911, 0.1706

Deuteranomaly

17.5273, 0.1834, 0.1755

Tritanomaly

17.2700, 0.2035, 0.2460

Monochromacy



Original Color

17.6392, 0.1864, 0.1702

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.4881, 0.2431, 0.2554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6392, 0.1864, 0.1702 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(41, 115, 215)` looks like.

```
.text, #text, p{  
    color:rgb(41, 115, 215)  
}
```

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(41, 115, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 115, 215) }
```

Border

The CSS property to change the border of an element to Yxy 17.6392, 0.1864, 0.1702 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(41, 115, 215) }
```

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

```
.border{ border-color:rgb(41, 115, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 115, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 115, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 115, 215);  
box-shadow:4px 4px 4px 4px rgb(41, 115,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6392, 0.1864, 0.1702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 115, 215) }
```

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

```
.background{ background-color: rgb(41, 115,  
215) }
```

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