

Converting Colors

$Y_{xy}(17.5036, 0.1850, 0.1514)$

Have a look what the booklet for
Yxy(17.5036, 0.1850, 0.1514)
contains.

Yxy(17.4643, 0.1850, 0.1517)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.4643, 0.1850, 0.1517)

Conversions

Conversions Part 1

Format	Color
Hex	396DE5
RGB	57, 109, 229
RGB Percent	22%, 43%, 90%
CMY	0.7763, 0.5725, 0.1020
CMYK	0.75, 0.52, 0.00, 0.10
HSL	222°, 77%, 56%
HSV	222°, 75%, 90%
XYZ	21.2979, 17.4643, 76.3617
YIQ	107.1320, -69.5120, 26.2960

Conversions

Conversions Part 2

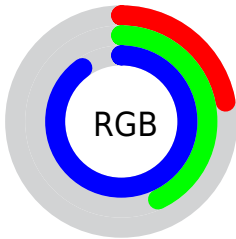
Format	Color
RYB	57, 97, 229
Decimal	3763685
CIELab	48.84, 24.21, -65.90
CIELCh	49, 70.207, 290.174
Yxy	17.4643, 0.1850, 0.1517
Android (android.graphics.Color)	4281953765 (0xFF396DE5)
YUV	107.1320, 60.0809, -43.9658
Hunter-Lab	41.7903, 17.8373, -79.0849

Details

The Yxy color **17.4643, 0.1850, 0.1517** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **48.4047, 0.4523, 0.4489**, and the grayscale version is **14.5900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8736, 0.2238, 0.2096**, and **6.5721, 0.1658, 0.1169** is the 20% darker color. If you saturate the color by 10%, you get **13.8313, 0.1728, 0.1277**, and if you desaturate by 10%, it is **22.0212, 0.2000, 0.1778**.

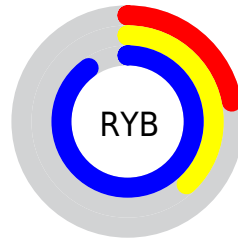
Distribution



Red (22%)

Green (43%)

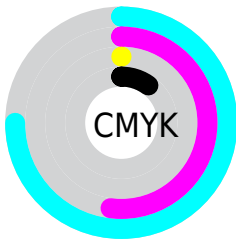
Blue (90%)



Red (22%)

Yellow (38%)

Blue (90%)

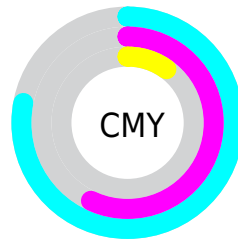


Cyan (75%)

Magenta (52%)

Yellow (0%)

Black (10%)



Cyan (78%)

Magenta (57%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4643, 0.1850, 0.1517 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 17.4643, 0.1850, 0.1517 by changing the saturation by 10% instead.

■ 17.4643, 0.1850,
0.1517

■ 17.4643, 0.1850,
0.1517

237.8340, 0.2538,
0.2399

■ 10.5661, 0.1677,
0.1317

■ 39.1224, 0.2104,
0.1826

■ 5.7759, 0.1460,
0.1078

■ 54.6510, 0.2199,
0.1947

■ 2.7093, 0.1188,
0.0798

■ 73.8252, 0.2279,
0.2050

■ 0.9819, 0.0852,
0.0486

■ 97.0294, 0.2346,
0.2139

■ 0.0000, 0.0431,
0.0000

■ 124.6480, 0.2404,
0.2217

■ 0.0000, 0.0000,
0.0000

157.0654, 0.2455,

0.2285

194.6659, 0.2499,
0.2345

■ 17.4643, 0.1850,
0.1517

■ 17.4643, 0.1850,
0.1517

■ 13.8313, 0.1728,
0.1277

■ 22.0212, 0.2000,
0.1778

■ 11.0428, 0.1639,
0.1069

■ 27.5678, 0.2170,
0.2047

■ 9.9360, 0.1606,
0.0980

■ 34.1646, 0.2351,
0.2312

■ 41.8665, 0.2535,
0.2564

■ 50.7242, 0.2716,
0.2798

■ 60.7849, 0.2888,
0.3011

■ 72.0935, 0.3050,
0.3202

■ 84.6919, 0.3199,
0.3370

■ 97.0462, 0.3282,
0.3522

Harmonies

Analogous

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



17.4643, 0.1292, 0.1550



17.4643, 0.1850, 0.1517



17.4643, 0.2873, 0.1781

Triad

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



17.4643, 0.1850, 0.1517



17.4643, 0.5637, 0.3791



17.4643, 0.1858, 0.4587

Complementary

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



17.4643, 0.1850, 0.1517



48.4047, 0.4523, 0.4489

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.



17.4643, 0.2885, 0.5773



17.4643, 0.1850, 0.1517



17.4643, 0.5041, 0.4677

Square

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



17.4643, 0.1850, 0.1517



17.4643, 0.5407, 0.3014



17.4643, 0.4024, 0.5557



17.4643, 0.1253, 0.2954

Rectangle

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



17.4643, 0.1850, 0.1517



17.4643, 0.3790, 0.2110



17.4643, 0.4024, 0.5557



17.4643, 0.2166, 0.5117

Sweetspot

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



17.4648, 0.1850, 0.1517



67.1327, 0.2750, 0.2842



59.9754, 0.2539, 0.4072



13.4291, 0.2686, 0.2760



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.



17.4648, 0.1850, 0.1517



15.5905, 0.1675, 0.1159



10.6894, 0.1866, 0.1013



14.5937, 0.2981, 0.3121



5.8671, 0.1613, 0.1007



0.5924, 0.1693, 0.1296

Inverse Universe

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



20.6897, 0.4953, 0.2805



22.8003, 0.5502, 0.2873



68.2554, 0.3860, 0.5076



14.4393, 0.3245, 0.3219



9.7900, 0.5749, 0.2941



0.7395, 0.5333, 0.2711

Previews

White Background



This preview shows how the Yxy color 17.4643, 0.1850, 0.1517 looks on a white background.

Color Contrast Check

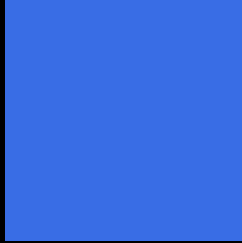
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4643, 0.1850, 0.1517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

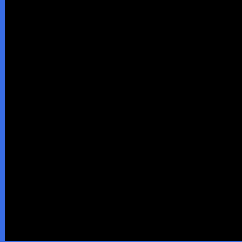
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4643, 0.1850, 0.1517

Background



This preview shows how black text looks on a background with the Yxy color 17.4643, 0.1850, 0.1517.



This preview shows how white text looks on a background with the Yxy color 17.4643, 0.1850, 0.1517.

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

17.4643, 0.1850, 0.1517

Protanopia

17.4455, 0.1784, 0.1504

Deuteranopia

17.3646, 0.1841, 0.1827



Tritanopia

17.2445, 0.2191, 0.3089

Trichromacy



Original Color

17.4643, 0.1850, 0.1517

Protanomaly

17.3364, 0.1803, 0.1505

Deuteranomaly

17.2759, 0.1824, 0.1697

Tritanomaly

16.7365, 0.2010, 0.2336

Monochromacy



Original Color

17.4643, 0.1850, 0.1517

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.0833, 0.2448, 0.2451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4643, 0.1850, 0.1517 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, 109, 229)` looks like.

```
.text, #text, p{  
    color:rgb(57, 109, 229)  
}
```

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, 109, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 109, 229) }
```

Border

The CSS property to change the border of an element to Yxy 17.4643, 0.1850, 0.1517 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, 109, 229) }
```

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

```
.border{ border-color:rgb(57, 109, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 109, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 109, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 109, 229);  
box-shadow:4px 4px 4px 4px rgb(57, 109,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4643, 0.1850, 0.1517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 109, 229) }
```

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

```
.background{ background-color: rgb(57, 109,  
229) }
```

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