

Converting Colors

$Y_{xy}(18.0789, 0.1860, 0.1410)$

Have a look what the booklet for
Yxy(18.0789, 0.1860, 0.1410)
contains.

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Color

Yxy(18.0966, 0.1861, 0.1412)

Conversions

Conversions Part 1

Format	Color
Hex	486AF2
RGB	72, 106, 242
RGB Percent	28%, 42%, 95%
CMY	0.7175, 0.5843, 0.0511
CMYK	0.70, 0.56, 0.00, 0.05
HSL	228°, 87%, 62%
HSV	228°, 70%, 95%
XYZ	23.8511, 18.0966, 86.2152
YIQ	111.3380, -63.9200, 35.0880

Conversions

Conversions Part 2

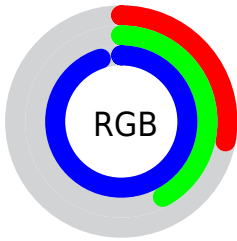
Format	Color
R _Y B	72, 100, 242
Decimal	4745970
CIE Lab	49.61, 32.56, -71.90
CIE LCh	50, 78.931, 294.363
Yxy	18.0966, 0.1861, 0.1412
Android (android.graphics.Color)	4282936050 (0xFF486AF2)
YUV	111.3380, 64.4164, -34.4994
Hunter-Lab	42.5401, 25.6351, -90.3838

Details

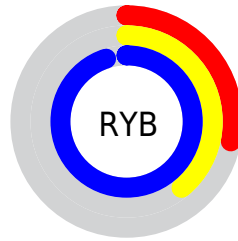
The Yxy color **18.0966, 0.1861, 0.1412** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **64.4521, 0.4304, 0.4598**, and the grayscale version is **15.8261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8229, 0.2301, 0.2079**, and **6.7345, 0.1627, 0.1056** is the 20% darker color. If you saturate the color by 10%, you get **13.7924, 0.1718, 0.1150**, and if you desaturate by 10%, it is **23.6682, 0.2033, 0.1703**.

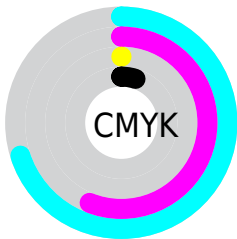
Distribution



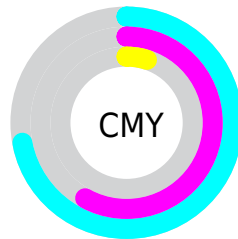
- Red (28%)
- Green (42%)
- Blue (95%)



- Red (28%)
- Yellow (39%)
- Blue (95%)



- Cyan (70%)
- Magenta (56%)
- Yellow (0%)
- Black (5%)



- Cyan (72%)
- Magenta (58%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0966, 0.1861, 0.1412 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 18.0966, 0.1861, 0.1412 by changing the saturation by 10% instead.

■ 18.0966, 0.1861,
0.1412

■ 18.0966, 0.1861,
0.1412

■ 241.4150, 0.2539,
0.2317

■ 11.0194, 0.1693,
0.1216

■ 40.2019, 0.2110,
0.1722

■ 6.0799, 0.1484,
0.0986

■ 55.9987, 0.2203,
0.1845

■ 2.8937, 0.1224,
0.0723

■ 75.4708, 0.2282,
0.1951

■ 1.0765, 0.0904,
0.0438

■ 99.0026, 0.2349,
0.2044

■ 0.0000, 0.0543,
0.0000

■ 126.9786, 0.2407,
0.2125

■ 0.0000, 0.0000,
0.0000

159.7830, 0.2457,

0.2197

197.8003, 0.2500,
0.2260

■ 18.0966, 0.1861,
0.1412

■ 18.0966, 0.1861,
0.1412

■ 13.7924, 0.1718,
0.1150

■ 23.6682, 0.2033,
0.1703

■ 10.6470, 0.1614,
0.0933

■ 30.5996, 0.2222,
0.2005

■ 8.5530, 0.1549,
0.0775

■ 38.9762, 0.2418,
0.2303

■ 48.8754, 0.2611,
0.2585

■ 60.3690, 0.2796,
0.2845

■ 73.5244, 0.2967,
0.3079

■ 88.4048, 0.3124,
0.3286

■ 99.1889, 0.3203,
0.3415

Harmonies

Analogous

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



18.0966, 0.1219, 0.1395



18.0966, 0.1861, 0.1412



18.0966, 0.3034, 0.1729

Triad

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



18.0966, 0.1861, 0.1412



18.0966, 0.5785, 0.3873



18.0966, 0.1600, 0.4468

Complementary

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



18.0966, 0.1861, 0.1412



64.4521, 0.4304, 0.4598

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.



18.0966, 0.2636, 0.5999



18.0966, 0.1861, 0.1412



18.0966, 0.5009, 0.4860

Square

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



18.0966, 0.1861, 0.1412



18.0966, 0.5737, 0.3059



18.0966, 0.3848, 0.5844



18.0966, 0.1060, 0.2688

Rectangle

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



18.0966, 0.1861, 0.1412



18.0966, 0.4072, 0.2098



18.0966, 0.3848, 0.5844



18.0966, 0.1902, 0.5117

Sweetspot

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



18.0971, 0.1861, 0.1412



66.8641, 0.2781, 0.2824



69.4179, 0.2464, 0.3735



13.5139, 0.2731, 0.2754



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.



18.0971, 0.1861, 0.1412



13.9687, 0.1671, 0.1057



15.2605, 0.2083, 0.1199



15.7403, 0.2980, 0.3095



4.7485, 0.1555, 0.0797



0.5308, 0.1618, 0.1024

Inverse Universe

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



24.5519, 0.5048, 0.2984



23.4662, 0.5619, 0.3023



75.0289, 0.3696, 0.5098



15.8105, 0.3262, 0.3243



10.2727, 0.6074, 0.3120



0.8683, 0.5722, 0.2926

Previews

White Background



This preview shows how the Yxy color 18.0966, 0.1861, 0.1412 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 18.0966, 0.1861, 0.1412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

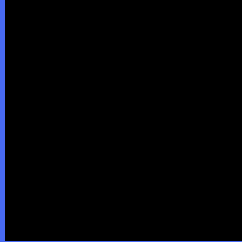
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0966, 0.1861, 0.1412

Background



This preview shows how black text looks on a background with the Yxy color 18.0966, 0.1861, 0.1412.



This preview shows how white text looks on a background with the Yxy color 18.0966, 0.1861, 0.1412.

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

18.0966, 0.1861, 0.1412

Protanopia

18.1015, 0.1737, 0.1454

Deuteranopia

17.9379, 0.1845, 0.1840



Tritanopia

17.8587, 0.2186, 0.3070

Trichromacy



Original Color

18.0966, 0.1861, 0.1412

Protanomaly

17.7223, 0.1749, 0.1417

Deuteranomaly

17.6484, 0.1816, 0.1646

Tritanomaly

17.0687, 0.1991, 0.2235

Monochromacy



Original Color

18.0966, 0.1861, 0.1412

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.9819, 0.2462, 0.2363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0966, 0.1861, 0.1412 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(72, 106, 242)` looks like.

```
.text, #text, p{  
  color:rgb(72, 106, 242)  
}
```

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(72, 106, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 106, 242) }
```

Border

The CSS property to change the border of an element to Yxy 18.0966, 0.1861, 0.1412 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(72, 106, 242) }
```

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

```
.border{ border-color:rgb(72, 106, 242) }
```

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

Here you see how a box with a 4 pixel rgb(72, 106, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 106, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 106, 242);  
box-shadow:4px 4px 4px 4px rgb(72, 106,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0966, 0.1861, 0.1412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 106, 242) }
```

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

```
.background{ background-color: rgb(72, 106,  
242) }
```

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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