

Converting Colors

$Yxy(18.7103, 0.1872, 0.1525)$

Have a look what the booklet for
Yxy(18.7103, 0.1872, 0.1525)
contains.

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Color

Yxy(18.7103, 0.1872, 0.1525)

Conversions

Conversions Part 1

Format	Color
Hex	4170EB
RGB	65, 112, 235
RGB Percent	25%, 44%, 92%
CMY	0.7454, 0.5608, 0.0784
CMYK	0.72, 0.52, 0.00, 0.08
HSL	223°, 81%, 59%
HSV	223°, 72%, 92%
XYZ	22.9677, 18.7103, 81.0125
YIQ	111.9690, -67.4950, 28.2890

Conversions

Conversions Part 2

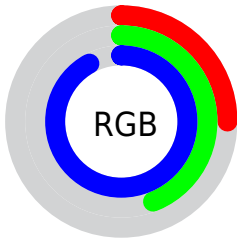
Format	Color
R _Y B	65, 102, 235
Decimal	4288747
CIE Lab	50.35, 25.46, -66.84
CIE LCh	50, 71.522, 290.849
Yxy	18.7103, 0.1872, 0.1525
Android (android.graphics.Color)	4282478827 (0xFF4170EB)
YUV	111.9690, 60.6543, -41.1918
Hunter-Lab	43.2554, 19.0826, -80.7648

Details

The Yxy color **18.7103, 0.1872, 0.1525** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **53.9873, 0.4440, 0.4507**, and the grayscale version is **16.0232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4009, 0.2279, 0.2144**, and **6.9949, 0.1658, 0.1168** is the 20% darker color. If you saturate the color by 10%, you get **14.6660, 0.1740, 0.1274**, and if you desaturate by 10%, it is **23.7969, 0.2031, 0.1796**.

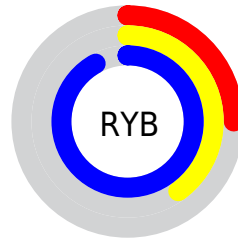
Distribution



Red (25%)

Green (44%)

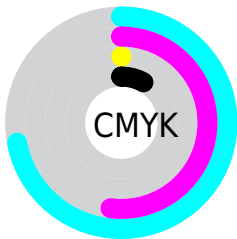
Blue (92%)



Red (25%)

Yellow (40%)

Blue (92%)

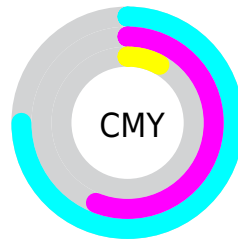


Cyan (72%)

Magenta (52%)

Yellow (0%)

Black (8%)



Cyan (75%)

Magenta (56%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7103, 0.1872, 0.1525 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 18.7103, 0.1872, 0.1525 by changing the saturation by 10% instead.

■ 18.7103, 0.1872,
0.1525

■ 18.7103, 0.1872,
0.1525

244.8448, 0.2542,
0.2393

■ 11.4611, 0.1705,
0.1330

■ 41.2440, 0.2119,
0.1828

■ 6.3779, 0.1496,
0.1098

■ 57.2973, 0.2211,
0.1946

■ 3.0762, 0.1234,
0.0826

■ 77.0542, 0.2289,
0.2047

■ 1.1716, 0.0909,
0.0521

■ 100.8989, 0.2355,
0.2135

■ 0.0384, 0.0532,
0.0031

129.2159, 0.2412,
0.2212

■ 0.0000, 0.0000,
0.0000

162.3896, 0.2461,

0.2280

200.8045, 0.2504,
0.2340

■ 18.7103, 0.1872,
0.1525

■ 18.7103, 0.1872,
0.1525

■ 14.6660, 0.1740,
0.1274

■ 23.7969, 0.2031,
0.1796

■ 11.5780, 0.1642,
0.1058

■ 29.9980, 0.2209,
0.2074

■ 9.7857, 0.1589,
0.0921

■ 37.3803, 0.2394,
0.2346

■ 46.0045, 0.2581,
0.2604

■ 55.9270, 0.2762,
0.2841

■ 67.2004, 0.2933,
0.3056

■ 79.8744, 0.3091,
0.3248

■ 93.9960, 0.3237,
0.3417

■ 98.7793, 0.3244,
0.3483

Harmonies

Analogous

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



18.7103, 0.1305, 0.1551



18.7103, 0.1872, 0.1525



18.7103, 0.2903, 0.1795

Triad

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



18.7103, 0.1872, 0.1525



18.7103, 0.5622, 0.3810



18.7103, 0.1844, 0.4543

Complementary

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



18.7103, 0.1872, 0.1525



53.9873, 0.4440, 0.4507

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.



18.7103, 0.2862, 0.5750



18.7103, 0.1872, 0.1525



18.7103, 0.5017, 0.4696

Square

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



18.7103, 0.1872, 0.1525



18.7103, 0.5414, 0.3034



18.7103, 0.3999, 0.5565



18.7103, 0.1252, 0.2926

Rectangle

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



18.7103, 0.1872, 0.1525



18.7103, 0.3820, 0.2127



18.7103, 0.3999, 0.5565



18.7103, 0.2149, 0.5075

Sweetspot

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



18.7108, 0.1872, 0.1525



67.6584, 0.2767, 0.2848



64.1297, 0.2519, 0.3956



13.7490, 0.2718, 0.2785



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.



18.7108, 0.1872, 0.1525



15.6504, 0.1686, 0.1161



12.5838, 0.1946, 0.1096



15.2275, 0.2980, 0.3115



5.6291, 0.1596, 0.0947



0.5988, 0.1671, 0.1215

Inverse Universe

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



22.6080, 0.4927, 0.2850



23.1742, 0.5487, 0.2901



71.8371, 0.3807, 0.5064



15.1226, 0.3249, 0.3225



10.0611, 0.5839, 0.2990



0.8059, 0.5446, 0.2774

Previews

White Background



This preview shows how the Yxy color 18.7103, 0.1872, 0.1525 looks on a white background.

Color Contrast Check

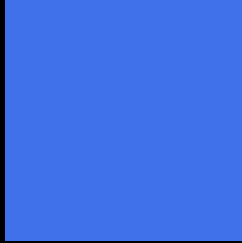
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.7103, 0.1872, 0.1525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

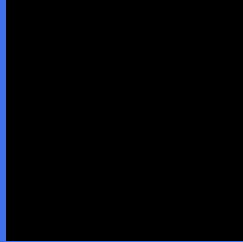
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7103, 0.1872, 0.1525

Background



This preview shows how black text looks on a background with the Yxy color 18.7103, 0.1872, 0.1525.



This preview shows how white text looks on a background with the Yxy color 18.7103, 0.1872, 0.1525.

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

18.7103, 0.1872, 0.1525

Protanopia

18.7918, 0.1789, 0.1511

Deuteranopia

18.6725, 0.1840, 0.1823



Tritanopia

18.4555, 0.2187, 0.3073

Trichromacy



Original Color

18.7103, 0.1872, 0.1525

Protanomaly

18.7299, 0.1813, 0.1514

Deuteranomaly

18.3184, 0.1826, 0.1692

Tritanomaly

17.9960, 0.2012, 0.2329

Monochromacy



Original Color

18.7103, 0.1872, 0.1525

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.4556, 0.2468, 0.2447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7103, 0.1872, 0.1525 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(65, 112, 235)` looks like.

```
.text, #text, p{  
    color:rgb(65, 112, 235)  
}
```

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(65, 112, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 112, 235) }
```

Border

The CSS property to change the border of an element to Yxy 18.7103, 0.1872, 0.1525 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(65, 112, 235) }
```

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

```
.border{ border-color:rgb(65, 112, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 112, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 112, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 112, 235);  
box-shadow:4px 4px 4px 4px rgb(65, 112,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7103, 0.1872, 0.1525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 112, 235) }
```

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

```
.background{ background-color: rgb(65, 112,  
235) }
```

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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