

Converting Colors

$Y_{xy}(14.5185, 0.1889, 0.1238)$

Have a look what the booklet for
Yxy(14.5185, 0.1889, 0.1238)
contains.

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Color

Yxy(14.4736, 0.1891, 0.1239)

Conversions

Conversions Part 1

Format	Color
Hex	5655EB
RGB	86, 85, 235
RGB Percent	34%, 33%, 92%
CMY	0.6625, 0.6668, 0.0783
CMYK	0.63, 0.64, 0.00, 0.08
HSL	240°, 79%, 63%
HSV	240°, 64%, 92%
XYZ	22.0901, 14.4736, 80.2531
YIQ	102.3990, -47.5540, 46.8620

Conversions

Conversions Part 2

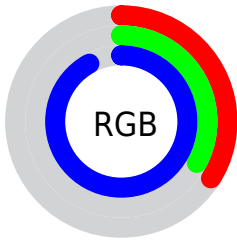
Format	Color
R_{YB}	86, 85, 235
Decimal	5658091
CIE _{Lab}	44.90, 44.89, -75.65
CIE _{LCh}	45, 87.970, 300.686
Yxy	14.4736, 0.1891, 0.1239
Android (android.graphics.Color)	4283848171 (0xFF5655EB)
YUV	102.3990, 65.3723, -14.3819
Hunter-Lab	38.0442, 37.0673, -98.4397

Details

The Yxy color **14.4736, 0.1891, 0.1239** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **77.5730, 0.4005, 0.4760**, and the grayscale version is **13.2337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0320, 0.2327, 0.1838**, and **4.6654, 0.1565, 0.0833** is the 20% darker color. If you saturate the color by 10%, you get **10.4357, 0.1721, 0.0959**, and if you desaturate by 10%, it is **20.1018, 0.2092, 0.1571**.

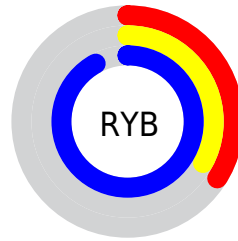
Distribution



Red (34%)

Green (33%)

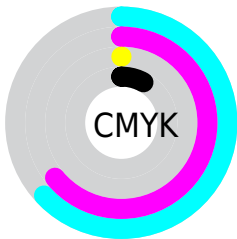
Blue (92%)



Red (34%)

Yellow (33%)

Blue (92%)

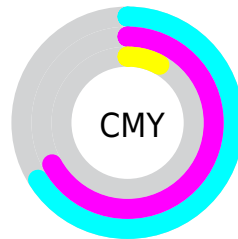


Cyan (63%)

Magenta (64%)

Yellow (0%)

Black (8%)



Cyan (66%)


Magenta (67%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4736, 0.1891, 0.1239 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 14.4736, 0.1891, 0.1239 by changing the saturation by 10% instead.


 14.4736, 0.1891,
0.1239

 14.4736, 0.1891,
0.1239


220.1575, 0.2579,
0.2221


 8.4508, 0.1714,
0.1032


 33.9270, 0.2149,
0.1572


 4.3847, 0.1493,
0.0795


 48.1264, 0.2244,
0.1705

 1.8910, 0.1215,
0.0535

 65.8202, 0.2323,
0.1821

 0.5430, 0.0875,
0.0254

 87.3926, 0.2391,
0.1922

 0.0000, 0.0465,
0.0000

 113.2282, 0.2448,
0.2010

 0.0000, 0.0000,
0.0000

143.7113, 0.2498,

0.2089

179.2263, 0.2541,
0.2158

■ 14.4736, 0.1891,
0.1239

■ 14.4736, 0.1891,
0.1239

■ 10.4357, 0.1721,
0.0959

■ 20.1018, 0.2092,
0.1571

■ 7.8233, 0.1597,
0.0755

■ 27.4607, 0.2307,
0.1927


■ 6.4376, 0.1525,
0.0638


■ 36.6767, 0.2521,
0.2281


■ 6.0114, 0.1502,
0.0601

■ 47.8638, 0.2723,
0.2617

■ 61.1273, 0.2907,
0.2923

 76.5645, 0.3070,
0.3195

 94.2671, 0.3212,
0.3432

 98.7802, 0.3244,
0.3483

Harmonies

Analogous

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



14.4736, 0.1103, 0.1147



14.4736, 0.1891, 0.1239



14.4736, 0.3360, 0.1638

Triad

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



14.4736, 0.1891, 0.1239



14.4736, 0.5990, 0.3996



14.4736, 0.1164, 0.4164

Complementary

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



14.4736, 0.1891, 0.1239



77.5730, 0.4005, 0.4760

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.



14.4736, 0.2160, 0.6408



14.4736, 0.1891, 0.1239



14.4736, 0.4843, 0.5157

Square

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



14.4736, 0.1891, 0.1239



14.4736, 0.6279, 0.3090



14.4736, 0.3493, 0.6451



14.4736, 0.0760, 0.2217

Rectangle

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



14.4736, 0.1891, 0.1239



14.4736, 0.4633, 0.2069



14.4736, 0.3493, 0.6451



14.4736, 0.1433, 0.5030

Sweetspot

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



14.4740, 0.1891, 0.1239



64.8799, 0.2813, 0.2767



67.3669, 0.2365, 0.3288



12.9320, 0.2759, 0.2677



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.



14.4740, 0.1891, 0.1239



11.2757, 0.1672, 0.0878



19.9658, 0.2453, 0.1496



14.5542, 0.2981, 0.3046



3.3468, 0.1502, 0.0601



0.2647, 0.1509, 0.0605

Inverse Universe

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



30.0966, 0.3206, 0.1843



31.4793, 0.3217, 0.1671



67.5661, 0.3457, 0.5094



15.3118, 0.3139, 0.3060



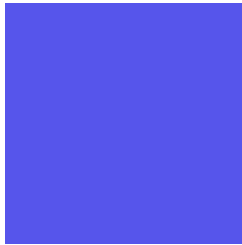
13.1136, 0.3228, 0.1552



1.0304, 0.3225, 0.1550

Previews

White Background



This preview shows how the Yxy color 14.4736, 0.1891, 0.1239 looks on a white background.

Color Contrast Check

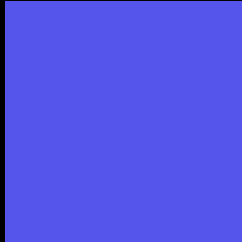
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4736, 0.1891, 0.1239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

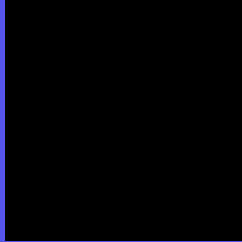
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.4736, 0.1891, 0.1239

Background



This preview shows how black text looks on a background with the Yxy color 14.4736, 0.1891, 0.1239.



This preview shows how white text looks on a background with the Yxy color 14.4736, 0.1891, 0.1239.

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

14.4736, 0.1891, 0.1239

Protanopia

14.4090, 0.1744, 0.1476

Deuteranopia

14.2279, 0.1852, 0.1866



Tritanopia

14.3260, 0.2200, 0.3051

Trichromacy



Original Color

14.4736, 0.1891, 0.1239

Protanomaly

13.9310, 0.1746, 0.1356

Deuteranomaly

13.7174, 0.1808, 0.1560

Tritanomaly

13.2684, 0.1991, 0.2074

Monochromacy



Original Color

14.4736, 0.1891, 0.1239

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.0545, 0.2494, 0.2244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4736, 0.1891, 0.1239 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(86, 85, 235)` looks like.

```
.text, #text, p{  
  color:rgb(86, 85, 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(86, 85, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 85, 235) }
```

Border

The CSS property to change the border of an element to Yxy 14.4736, 0.1891, 0.1239 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(86, 85, 235) }
```

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

```
.border{ border-color:rgb(86, 85, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 85, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 85, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 85, 235);  
box-shadow:4px 4px 4px 4px rgb(86, 85,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 14.4736, 0.1891, 0.1239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 85, 235) }
```

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

```
.background{ background-color: rgb(86, 85,  
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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