

Converting Colors

$Y_{xy}(13.3478, 0.1764, 0.1180)$

Have a look what the booklet for
Yxy(13.3478, 0.1764, 0.1180)
contains.

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Color

Yxy(13.4250, 0.1765, 0.1182)

Conversions

Conversions Part 1

Format	Color
Hex	3B55EB
RGB	59, 85, 235
RGB Percent	23%, 33%, 92%
CMY	0.7683, 0.6667, 0.0786
CMYK	0.75, 0.64, 0.00, 0.08
HSL	231°, 81%, 58%
HSV	231°, 75%, 92%
XYZ	20.0466, 13.4250, 80.1070
YIQ	94.3260, -63.6460, 41.1380

Conversions

Conversions Part 2

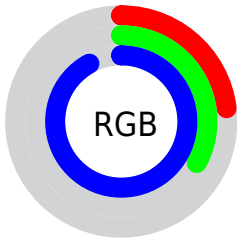
Format	Color
R_{YB}	59, 82, 235
Decimal	3888619
CIE _{Lab}	43.40, 41.61, -78.14
CIE _{LCh}	43, 88.529, 298.032
Yxy	13.4250, 0.1765, 0.1182
Android (android.graphics.Color)	4282078699 (0xFF3B55EB)
YUV	94.3260, 69.3523, -30.9809
Hunter-Lab	36.6401, 33.5411, -103.9788

Details

The Yxy color **13.4250, 0.1765, 0.1182** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **63.5976, 0.4291, 0.4717**, and the grayscale version is **11.1236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3732, 0.2202, 0.1793**, and **4.7319, 0.1568, 0.0844** is the 20% darker color. If you saturate the color by 10%, you get **10.1404, 0.1639, 0.0945**, and if you desaturate by 10%, it is **17.9259, 0.1928, 0.1466**.

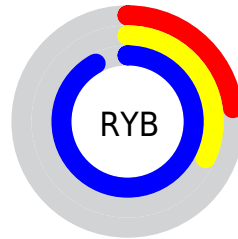
Distribution



Red (23%)

Green (33%)

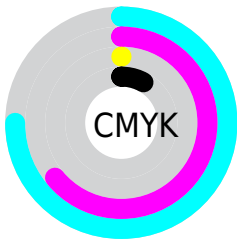
Blue (92%)



Red (23%)

Yellow (32%)

Blue (92%)

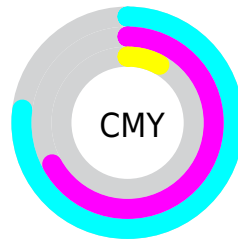


Cyan (75%)

Magenta (64%)

Yellow (0%)

Black (8%)



Cyan (77%)


Magenta (67%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4250, 0.1765, 0.1182 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 13.4250, 0.1765, 0.1182 by changing the saturation by 10% instead.


 13.4250, 0.1765,
0.1182


 13.4250, 0.1765,
0.1182


213.6238, 0.2516,
0.2194


 7.7219, 0.1576,
0.0971


 32.0652, 0.2044,
0.1524

 3.9175, 0.1343,
0.0732


 45.7711, 0.2148,
0.1661

 1.6275, 0.1055,
0.0474

 62.9133, 0.2235,
0.1781

 0.3760, 0.0718,
0.0181

 83.8763, 0.2309,
0.1885

 0.0000, 0.0273,
0.0000

 109.0445, 0.2372,
0.1977

 0.0000, 0.0000,
0.0000

138.8022, 0.2427,

0.2058

173.5338, 0.2474,
0.2130

■ 13.4250, 0.1765,
0.1182

■ 13.4250, 0.1765,
0.1182

■ 10.1404, 0.1639,
0.0945

■ 17.9259, 0.1928,
0.1466

■ 7.9465, 0.1557,
0.0769

■ 23.7491, 0.2116,
0.1776

■ 7.1765, 0.1529,
0.0704

■ 30.9898, 0.2315,
0.2094

■ 39.7341, 0.2516,
0.2402

■ 50.0610, 0.2709,
0.2691

62.0440, 0.2889,
0.2953

75.7519, 0.3054,
0.3187

91.2496, 0.3201,
0.3392

98.7763, 0.3244,
0.3483

Harmonies

Analogous

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



13.4250, 0.1023, 0.1115



13.4250, 0.1765, 0.1182



13.4250, 0.3199, 0.1556

Triad

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



13.4250, 0.1765, 0.1182



13.4250, 0.6115, 0.3885



13.4250, 0.1178, 0.4423

Complementary

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



13.4250, 0.1765, 0.1182



63.5976, 0.4291, 0.4717

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.



13.4250, 0.2223, 0.6627



13.4250, 0.1765, 0.1182



13.4250, 0.4962, 0.5038

Square

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



13.4250, 0.1765, 0.1182



13.4250, 0.6325, 0.2993



13.4250, 0.3583, 0.6417



13.4250, 0.0733, 0.2301

Rectangle

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



13.4250, 0.1765, 0.1182



13.4250, 0.4499, 0.1975



13.4250, 0.3583, 0.6417



13.4250, 0.1467, 0.5327

Sweetspot

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



13.4253, 0.1765, 0.1182



64.0551, 0.2761, 0.2766



64.9132, 0.2411, 0.3643



12.9119, 0.2710, 0.2692



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.



13.4253, 0.1765, 0.1182



10.5940, 0.1588, 0.0839



13.1713, 0.2078, 0.1122



14.9071, 0.2980, 0.3083



4.1075, 0.1534, 0.0722



0.4334, 0.1592, 0.0931

Inverse Universe

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



21.4486, 0.5377, 0.3079



22.2959, 0.5976, 0.3143



68.6453, 0.3641, 0.5227



15.0902, 0.3270, 0.3256



9.9075, 0.6197, 0.3187



0.7892, 0.5863, 0.3004

Previews

White Background



This preview shows how the Yxy color 13.4250, 0.1765, 0.1182 looks on a white background.

Color Contrast Check

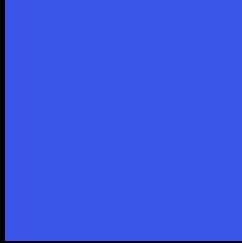
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4250, 0.1765, 0.1182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

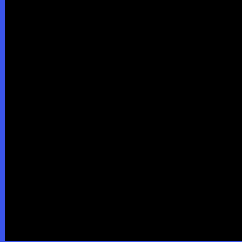
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4250, 0.1765, 0.1182

Background



This preview shows how black text looks on a background with the Yxy color 13.4250, 0.1765, 0.1182.



This preview shows how white text looks on a background with the Yxy color 13.4250, 0.1765, 0.1182.

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

13.4250, 0.1765, 0.1182

Protanopia

13.2404, 0.1744, 0.1477

Deuteranopia

13.1150, 0.1853, 0.1872

Trichromacy



Original Color

13.4250, 0.1765, 0.1182

Protanomaly

12.9979, 0.1726, 0.1340

Deuteranomaly

12.8323, 0.1785, 0.1538

Monochromacy



Original Color

13.4250, 0.1765, 0.1182

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.2758, 0.2362, 0.2175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4250, 0.1765, 0.1182 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(59, 85, 235)` looks like.

```
.text, #text, p{  
    color:rgb(59, 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(59, 85, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 85, 235) }
```

Border

The CSS property to change the border of an element to Yxy 13.4250, 0.1765, 0.1182 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(59, 85, 235) }
```

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

```
.border{ border-color:rgb(59, 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(59, 85, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 85, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 85, 235);  
box-shadow:4px 4px 4px 4px rgb(59, 85,  
235) }
```

Background

The CSS property to change the background color of an element to Yxy 13.4250, 0.1765, 0.1182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 85, 235) }
```

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

```
.background{ background-color: rgb(59, 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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