

Converting Colors

$Yxy(13.5078, 0.1940, 0.1595)$

Have a look what the booklet for
Yxy(13.5078, 0.1940, 0.1595)
contains.

Yxy(13.4869, 0.1940, 0.1597)	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>	29

Color

Yxy(13.4869, 0.1940, 0.1597)

Conversions

Conversions Part 1

Format	Color
Hex	4060C5
RGB	64, 96, 197
RGB Percent	25%, 38%, 77%
CMY	0.7485, 0.6236, 0.2273
CMYK	0.67, 0.51, 0.00, 0.23
HSL	226°, 53%, 51%
HSV	226°, 67%, 77%
XYZ	16.3836, 13.4869, 54.5810
YIQ	97.9460, -51.4930, 24.6270

Conversions

Conversions Part 2

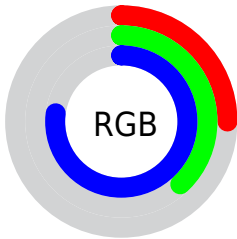
Format	Color
R _{YB}	64, 90, 197
Decimal	4219077
CIE _{Lab}	43.49, 21.85, -56.31
CIE _{LCh}	43, 60.402, 291.210
Y _{xy}	13.4869, 0.1940, 0.1597
Android (android.graphics.Color)	4282409157 (0xFF4060C5)
YUV	97.9460, 48.8336, -29.7706
Hunter-Lab	36.7245, 15.3647, -62.4113

Details

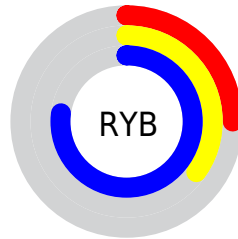
The Yxy color **13.4869, 0.1940, 0.1597** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **39.2223, 0.4298, 0.4501**, and the grayscale version is **12.0922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1491, 0.2203, 0.1926**, and **4.3206, 0.1662, 0.1184** is the 20% darker color. If you saturate the color by 10%, you get **10.4608, 0.1790, 0.1330**, and if you desaturate by 10%, it is **17.2681, 0.2113, 0.1881**.

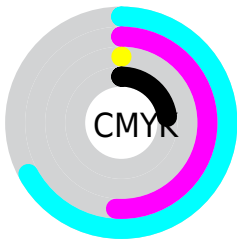
Distribution



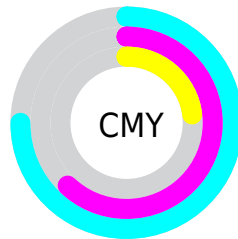
- Red (25%)
- Green (38%)
- Blue (77%)



- Red (25%)
- Yellow (35%)
- Blue (77%)



- Cyan (67%)
- Magenta (51%)
- Yellow (0%)
- Black (23%)



- Cyan (75%)
- Magenta (62%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4869, 0.1940, 0.1597 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 13.4869, 0.1940, 0.1597 by changing the saturation by 10% instead.

■ 13.4869, 0.1940,
0.1597

■ 13.4869, 0.1940,
0.1597

■ 214.0150, 0.2613,
0.2487

■ 7.7647, 0.1756,
0.1379

■ 32.1758, 0.2199,
0.1922

■ 3.9447, 0.1516,
0.1110

■ 45.9112, 0.2293,
0.2045

■ 1.6427, 0.1202,
0.0786

■ 63.0866, 0.2370,
0.2148

■ 0.3861, 0.0807,
0.0345

■ 84.0862, 0.2435,
0.2236

■ 0.0000, 0.0000,
0.0000

■ 109.2944, 0.2490,
0.2312

139.0957, 0.2537,

0.2378

173.8744, 0.2577,
0.2436

■ 13.4869, 0.1940,
0.1597

■ 13.4869, 0.1940,
0.1597

■ 10.4608, 0.1790,
0.1330

■ 17.2681, 0.2113,
0.1881

■ 8.1331, 0.1672,
0.1094

■ 21.8527, 0.2299,
0.2166

■ 6.4349, 0.1590,
0.0903

■ 27.2859, 0.2488,
0.2442

■ 6.0827, 0.1573,
0.0861

■ 33.6094, 0.2673,
0.2701

■ 40.8616, 0.2850,
0.2936

■ 49.0790, 0.3014,
0.3148

■ 58.2958, 0.3164,
0.3335

■ 68.5447, 0.3300,
0.3500

■ 79.8567, 0.3423,
0.3643

Harmonies

Analogous

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



13.4869, 0.1382, 0.1623



13.4869, 0.1940, 0.1597



13.4869, 0.2935, 0.1862

Triad

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



13.4869, 0.1940, 0.1597



13.4869, 0.5506, 0.3833



13.4869, 0.1908, 0.4445

Complementary

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



13.4869, 0.1940, 0.1597



39.2223, 0.4298, 0.4501

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.



13.4869, 0.2888, 0.5584



13.4869, 0.1940, 0.1597



13.4869, 0.4947, 0.4681

Square

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



13.4869, 0.1940, 0.1597



13.4869, 0.5297, 0.3072



13.4869, 0.3981, 0.5472



13.4869, 0.1330, 0.2945

Rectangle

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



13.4869, 0.1940, 0.1597



13.4869, 0.3803, 0.2187



13.4869, 0.3981, 0.5472



13.4869, 0.2202, 0.4938

Sweetspot

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



13.4873, 0.1940, 0.1597



69.2823, 0.2800, 0.2872



43.7137, 0.2515, 0.3820



14.0288, 0.2750, 0.2805



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.



13.4873, 0.1940, 0.1597



16.5843, 0.1729, 0.1212



10.2741, 0.2083, 0.1267



10.6933, 0.2983, 0.3109



4.1096, 0.1578, 0.0882



0.3113, 0.1693, 0.1296

Inverse Universe

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



16.3992, 0.4803, 0.2919



24.2917, 0.5383, 0.2938



48.1895, 0.3743, 0.4987



10.6779, 0.3253, 0.3235



7.9549, 0.5940, 0.3046



0.3884, 0.5332, 0.2711

Previews

White Background



This preview shows how the Yxy color 13.4869, 0.1940, 0.1597 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 13.4869, 0.1940, 0.1597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

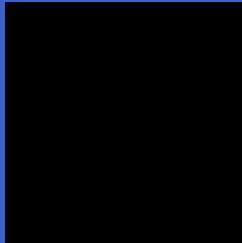
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.4869, 0.1940, 0.1597

Background



This preview shows how black text looks on a background with the Yxy color 13.4869, 0.1940, 0.1597.



This preview shows how white text looks on a background with the Yxy color 13.4869, 0.1940, 0.1597.

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

13.4869, 0.1940, 0.1597

Protanopia

13.5449, 0.1838, 0.1580

Tritanopia

13.4647, 0.2186, 0.3068

Trichromacy



Original Color

13.4869, 0.1940, 0.1597

Protanomaly

13.5119, 0.1870, 0.1585

Tritanomaly

12.8996, 0.2029, 0.2355

Monochromacy



Original Color

13.4869, 0.1940, 0.1597

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.2491, 0.2537, 0.2503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4869, 0.1940, 0.1597 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(64, 96, 197)` looks like.

```
.text, #text, p{  
    color:rgb(64, 96, 197)  
}
```

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(64, 96, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 96, 197) }
```

Border

The CSS property to change the border of an element to Yxy 13.4869, 0.1940, 0.1597 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(64, 96, 197) }
```

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

```
.border{ border-color:rgb(64, 96, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 96, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 96, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 96, 197);  
box-shadow:4px 4px 4px 4px rgb(64, 96,  
197) }
```

Background

The CSS property to change the background color of an element to Yxy 13.4869, 0.1940, 0.1597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 96, 197) }
```

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

```
.background{ background-color: rgb(64, 96,  
197) }
```

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