

Converting Colors

$Y_{xy}(13.7422, 0.1973, 0.1760)$

Have a look what the booklet for
Yxy(13.7422, 0.1973, 0.1760)
contains.

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Color

Yxy(13.8250, 0.1975, 0.1770)

Conversions

Conversions Part 1

Format	Color
Hex	3B65BB
RGB	59, 101, 187
RGB Percent	23%, 40%, 73%
CMY	0.7685, 0.6039, 0.2668
CMYK	0.68, 0.46, 0.00, 0.27
HSL	220°, 52%, 48%
HSV	220°, 68%, 73%
XYZ	15.4262, 13.8250, 48.8561
YIQ	98.2460, -52.6380, 17.8420

Conversions

Conversions Part 2

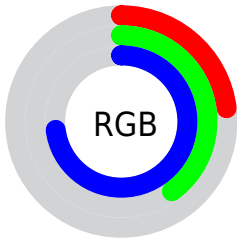
Format	Color
R_{YB}	59, 91, 187
Decimal	3892667
CIE _{Lab}	43.98, 14.20, -49.70
CIE _{LCh}	44, 51.687, 285.944
Yxy	13.8250, 0.1975, 0.1770
Android (android.graphics.Color)	4282082747 (0xFF3B65BB)
YUV	98.2460, 43.7557, -34.4187
Hunter-Lab	37.1820, 8.9883, -51.8781




Details

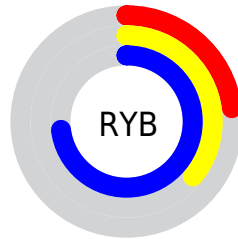
The Yxy color **13.8250, 0.1975, 0.1770** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **31.1326, 0.4421, 0.4383**, and the grayscale version is **12.1797, 0.3127, 0.3290**.




A 20% lighter version of the original color is **32.6579, 0.2226, 0.2069**, and **4.4258, 0.1709, 0.1350** is the 20% darker color. If you saturate the color by 10%, you get **11.0962, 0.1835, 0.1522**, and if you desaturate by 10%, it is **17.1323, 0.2136, 0.2026**.

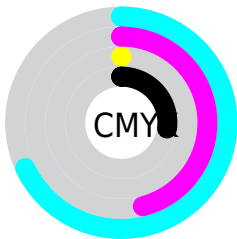
Distribution







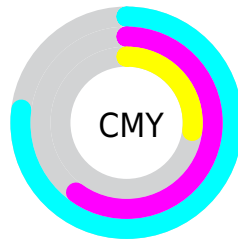
-  Red (23%)
-  Green (40%)
-  Blue (73%)






-  Red (23%)
-  Yellow (36%)
-  Blue (73%)



-  Cyan (68%)
-  Magenta (46%)
-  Yellow (0%)
-  Black (27%)



-  Cyan (77%)
-  Magenta (60%)
-  Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8250, 0.1975, 0.1770 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 13.8250, 0.1975, 0.1770 by changing the saturation by 10% instead.

■ 13.8250, 0.1975,
0.1770

■ 13.8250, 0.1975,
0.1770

■ 216.1394, 0.2629,
0.2591

■ 7.9991, 0.1793,
0.1558

■ 32.7782, 0.2228,
0.2077

■ 4.0943, 0.1554,
0.1289

■ 46.6742, 0.2319,
0.2191

■ 1.7265, 0.1236,
0.0951

■ 64.0291, 0.2394,
0.2285

■ 0.4407, 0.0822,
0.0473

■ 85.2271, 0.2456,
0.2366

■ 0.0000, 0.0000,
0.0000

■ 110.6528, 0.2509,
0.2434

140.6905, 0.2555,

0.2494

175.7246, 0.2594,
0.2545

■ 13.8250, 0.1975,
0.1770

■ 13.8250, 0.1975,
0.1770

■ 11.0962, 0.1835,
0.1522

■ 17.1323, 0.2136,
0.2026

■ 8.9046, 0.1723,
0.1293

■ 21.0524, 0.2309,
0.2281

■ 7.1950, 0.1641,
0.1093

■ 25.6177, 0.2488,
0.2525

■ 6.9597, 0.1629,
0.1064

■ 30.8582, 0.2665,
0.2752

■ 36.8015, 0.2836,
0.2961

■ 43.4737, 0.2999,
0.3148

■ 50.8996, 0.3150,
0.3315

■ 59.1026, 0.3290,
0.3462

■ 68.1051, 0.3418,
0.3591

Harmonies

Analogous

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



13.8250, 0.1521, 0.1858



13.8250, 0.1975, 0.1770



13.8250, 0.2795, 0.1966

Triad

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



13.8250, 0.1975, 0.1770



13.8250, 0.5219, 0.3716



13.8250, 0.2226, 0.4472

Complementary

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



13.8250, 0.1975, 0.1770



31.1326, 0.4421, 0.4383

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.



13.8250, 0.3142, 0.5265



13.8250, 0.1975, 0.1770



13.8250, 0.4882, 0.4455

Square

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



13.8250, 0.1975, 0.1770



13.8250, 0.4866, 0.3021



13.8250, 0.4104, 0.5115



13.8250, 0.1615, 0.3223

Rectangle

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



13.8250, 0.1975, 0.1770



13.8250, 0.3516, 0.2237



13.8250, 0.4104, 0.5115



13.8250, 0.2509, 0.4834

Sweetspot

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



13.8254, 0.1975, 0.1770



62.6941, 0.2787, 0.2902



38.4857, 0.2572, 0.4019



13.1508, 0.2740, 0.2845



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.8254, 0.1975, 0.1770



17.8391, 0.1776, 0.1407



8.4397, 0.1976, 0.1202



9.7228, 0.2984, 0.3131



4.9153, 0.1635, 0.1086



0.3147, 0.1776, 0.1592

Inverse Universe

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



14.6332, 0.4614, 0.2767



21.7926, 0.5131, 0.2772



43.9168, 0.3846, 0.4938



9.5866, 0.3238, 0.3215



7.5259, 0.5631, 0.2876



0.3071, 0.4941, 0.2496

Previews

White Background



This preview shows how the Yxy color 13.8250, 0.1975, 0.1770 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 13.8250, 0.1975, 0.1770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

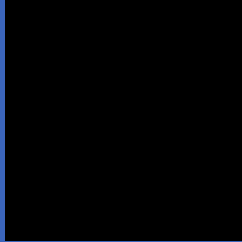
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8250, 0.1975, 0.1770

Background



This preview shows how black text looks on a background with the Yxy color 13.8250, 0.1975, 0.1770.



This preview shows how white text looks on a background with the Yxy color 13.8250, 0.1975, 0.1770.

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

13.8250, 0.1975, 0.1770

Protanopia

13.9194, 0.1991, 0.1775

Deuteranopia

13.7675, 0.1854, 0.1805



Tritanopia

13.7167, 0.2186, 0.3070

Trichromacy



Original Color

13.8250, 0.1975, 0.1770

Protanomaly

13.8873, 0.1985, 0.1773

Deuteranomaly

13.7529, 0.1883, 0.1797

Tritanomaly

13.4179, 0.2058, 0.2477

Monochromacy



Original Color

13.8250, 0.1975, 0.1770

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.4202, 0.2560, 0.2618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8250, 0.1975, 0.1770 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, 101, 187)` looks like.

```
.text, #text, p{  
    color:rgb(59, 101, 187)  
}
```

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, 101, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 101, 187) }
```

Border

The CSS property to change the border of an element to Yxy 13.8250, 0.1975, 0.1770 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, 101, 187) }
```

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

```
.border{ border-color:rgb(59, 101, 187) }
```

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

Here you see how a box with a 4 pixel rgb(59, 101, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 101, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 101, 187);  
box-shadow:4px 4px 4px 4px rgb(59, 101,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8250, 0.1975, 0.1770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 101, 187) }
```

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

```
.background{ background-color: rgb(59, 101,  
187) }
```

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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