

Converting Colors

$Yxy(13.1747, 0.1774, 0.1240)$

Have a look what the booklet for
Yxy(13.1747, 0.1774, 0.1240)
contains.

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Color

Yxy(13.1747, 0.1774, 0.1240)

Conversions

Conversions Part 1

Format	Color
Hex	3757E3
RGB	55, 87, 227
RGB Percent	22%, 34%, 89%
CMY	0.7843, 0.6588, 0.1098
CMYK	0.76, 0.62, 0.00, 0.11
HSL	229°, 75%, 55%
HSV	229°, 76%, 89%
XYZ	18.8483, 13.1747, 74.2246
YIQ	93.3920, -64.0120, 36.7560

Conversions

Conversions Part 2

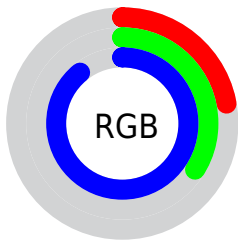
Format	Color
RYB	55, 82, 227
Decimal	3626979
CIELab	43.03, 37.15, -74.25
CIElCh	43, 83.028, 296.583
Yxy	13.1747, 0.1774, 0.1240
Android (android.graphics.Color)	4281817059 (0xFF3757E3)
YUV	93.3920, 65.8687, -33.6698
Hunter-Lab	36.2970, 29.1719, -95.8357

Details

The Yxy color **13.1747, 0.1774, 0.1240** 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 **55.6341, 0.4355, 0.4670**, and the grayscale version is **10.8970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5469, 0.2176, 0.1806**, and **4.5582, 0.1581, 0.0892** is the 20% darker color. If you saturate the color by 10%, you get **10.0562, 0.1651, 0.1002**, and if you desaturate by 10%, it is **17.3538, 0.1932, 0.1518**.

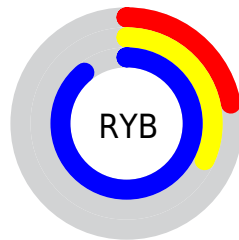
Distribution



Red (22%)

Green (34%)

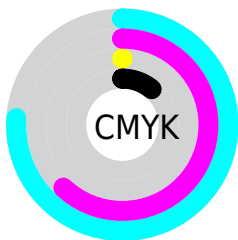
Blue (89%)



Red (22%)

Yellow (32%)

Blue (89%)

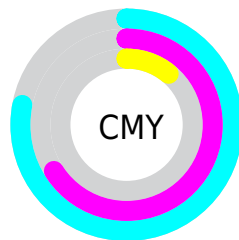


Cyan (76%)

Magenta (62%)

Yellow (0%)

Black (11%)



Cyan (78%)

Magenta (66%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.1747, 0.1774, 0.1240 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 13.1747, 0.1774, 0.1240 by changing the saturation by 10% instead.

■ 13.1747, 0.1774,
0.1240

■ 13.1747, 0.1774,
0.1240

■ 212.0343, 0.2524,
0.2244

■ 7.5490, 0.1583,
0.1024

■ 31.6173, 0.2054,
0.1584

■ 3.8077, 0.1345,
0.0777

■ 45.2029, 0.2158,
0.1721

■ 1.5666, 0.1050,
0.0506

■ 62.2106, 0.2245,
0.1839

■ 0.3349, 0.0702,
0.0183

■ 83.0248, 0.2319,
0.1942

■ 0.0000, 0.0173,
0.0000

■ 108.0299, 0.2382,
0.2032

■ 0.0000, 0.0000,
0.0000

137.6102, 0.2436,

0.2111

172.1502, 0.2483,
0.2181

■ 13.1747, 0.1774,
0.1240

■ 13.1747, 0.1774,
0.1240

■ 10.0562, 0.1651,
0.1002

■ 17.3538, 0.1932,
0.1518

■ 7.8937, 0.1569,
0.0819

■ 22.6818, 0.2114,
0.1819

■ 7.2195, 0.1544,
0.0758

■ 29.2383, 0.2309,
0.2124

■ 37.0952, 0.2505,
0.2420

■ 46.3188, 0.2696,
0.2696

■ 56.9709, 0.2875,
0.2948

■ 69.1093, 0.3039,
0.3172

■ 82.7887, 0.3188,
0.3371

■ 97.2371, 0.3293,
0.3546

Harmonies

Analogous

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



13.1747, 0.1067, 0.1191



13.1747, 0.1774, 0.1240



13.1747, 0.3121, 0.1594

Triad

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



13.1747, 0.1774, 0.1240



13.1747, 0.6034, 0.3866



13.1747, 0.1307, 0.4487

Complementary

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



13.1747, 0.1774, 0.1240



55.6341, 0.4355, 0.4670

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.



13.1747, 0.2365, 0.6460



13.1747, 0.1774, 0.1240



13.1747, 0.5017, 0.4983

Square

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



13.1747, 0.1774, 0.1240



13.1747, 0.6158, 0.3005



13.1747, 0.3718, 0.6282



13.1747, 0.0822, 0.2435

Rectangle

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



13.1747, 0.1774, 0.1240



13.1747, 0.4342, 0.1998



13.1747, 0.3718, 0.6282



13.1747, 0.1606, 0.5312

Sweetspot

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



13.1750, 0.1774, 0.1240



63.7567, 0.2744, 0.2765



59.5844, 0.2446, 0.3774



12.6290, 0.2677, 0.2669



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.



13.1750, 0.1774, 0.1240



11.3136, 0.1598, 0.0888



11.3786, 0.1997, 0.1070



14.3189, 0.2980, 0.3093



4.3343, 0.1549, 0.0778



0.4450, 0.1619, 0.1029

Inverse Universe

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



19.7512, 0.5307, 0.3015



22.2657, 0.5905, 0.3091



64.3760, 0.3706, 0.5195



14.4116, 0.3263, 0.3246



9.6353, 0.6106, 0.3137



0.7246, 0.5716, 0.2922

Previews

White Background



This preview shows how the Yxy color 13.1747, 0.1774, 0.1240 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 13.1747, 0.1774, 0.1240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

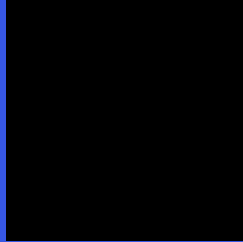
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1747, 0.1774, 0.1240

Background



This preview shows how black text looks on a background with the Yxy color 13.1747, 0.1774, 0.1240.



This preview shows how white text looks on a background with the Yxy color 13.1747, 0.1774, 0.1240.

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

13.1747, 0.1774, 0.1240

Protanopia

13.0056, 0.1742, 0.1469

Deuteranopia

13.0750, 0.1857, 0.1884

Trichromacy



Original Color

13.1747, 0.1774, 0.1240

Protanomaly

12.8325, 0.1731, 0.1359

Deuteranomaly

12.8242, 0.1798, 0.1590

Monochromacy



Original Color

13.1747, 0.1774, 0.1240

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.0974, 0.2367, 0.2217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1747, 0.1774, 0.1240 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(55, 87, 227)` looks like.

```
.text, #text, p{  
    color:rgb(55, 87, 227)  
}
```

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(55, 87, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 87, 227) }
```

Border

The CSS property to change the border of an element to Yxy 13.1747, 0.1774, 0.1240 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(55, 87, 227) }
```

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

```
.border{ border-color:rgb(55, 87, 227) }
```

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

Here you see how a box with a 4 pixel rgb(55, 87, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 87, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 87, 227);  
box-shadow:4px 4px 4px 4px rgb(55, 87,  
227) }
```

Background

The CSS property to change the background color of an element to Yxy 13.1747, 0.1774, 0.1240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 87, 227) }
```

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

```
.background{ background-color: rgb(55, 87,  
227) }
```

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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