

Converting Colors

$Yxy(13.1037, 0.1749, 0.1152)$

Have a look what the booklet for
Yxy(13.1037, 0.1749, 0.1152)
contains.

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Color

Yxy(13.1125, 0.1749, 0.1152)

Conversions

Conversions Part 1

Format	Color
Hex	3953EC
RGB	57, 83, 236
RGB Percent	22%, 33%, 93%
CMY	0.7771, 0.6743, 0.0747
CMYK	0.76, 0.65, 0.00, 0.07
HSL	231°, 82%, 57%
HSV	231°, 76%, 93%
XYZ	19.9078, 13.1125, 80.8035
YIQ	92.6680, -64.6090, 42.0710

Conversions

Conversions Part 2

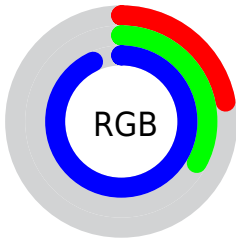
Format	Color
R_{YB}	57, 80, 236
Decimal	3757036
CIE _{Lab}	42.93, 42.92, -79.47
CIE _{LCh}	43, 90.315, 298.373
Yxy	13.1125, 0.1749, 0.1152
Android (android.graphics.Color)	4281947116 (0xFF3953EC)
YUV	92.6680, 70.6627, -31.2808
Hunter-Lab	36.2112, 34.7642, -106.9549

Details

The Yxy color **13.1125, 0.1749, 0.1152** 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 **64.0798, 0.4301, 0.4729**, and the grayscale version is **10.7034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7409, 0.2191, 0.1767**, and **4.6409, 0.1561, 0.0821** is the 20% darker color. If you saturate the color by 10%, you get **9.9258, 0.1627, 0.0921**, and if you desaturate by 10%, it is **17.5165, 0.1908, 0.1432**.

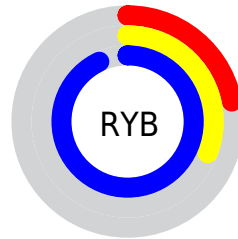
Distribution



Red (22%)

Green (33%)

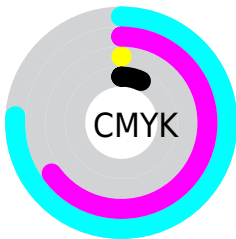
Blue (93%)



Red (22%)

Yellow (31%)

Blue (93%)

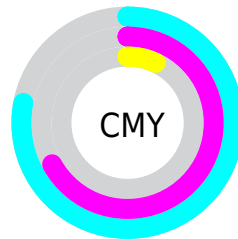


Cyan (76%)

Magenta (65%)

Yellow (0%)

Black (7%)



Cyan (78%)


Magenta (67%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1125, 0.1749, 0.1152 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 13.1125, 0.1749, 0.1152 by changing the saturation by 10% instead.


 13.1125, 0.1749,
0.1152


 13.1125, 0.1749,
0.1152


211.6374, 0.2510,
0.2174


 7.5061, 0.1559,
0.0941


 31.5057, 0.2031,
0.1496


 3.7806, 0.1323,
0.0703


 45.0613, 0.2136,
0.1635


 1.5516, 0.1035,
0.0449

 62.0354, 0.2225,
0.1755

 0.3246, 0.0700,
0.0155

 82.8125, 0.2299,
0.1861

 0.0000, 0.0255,
0.0000

 107.7768, 0.2364,
0.1954

 0.0000, 0.0000,
0.0000

137.3128, 0.2419,

0.2036

171.8048, 0.2467,
0.2109

■ 13.1125, 0.1749,
0.1152

■ 13.1125, 0.1749,
0.1152

■ 9.9258, 0.1627,
0.0921

■ 17.5165, 0.1908,
0.1432

■ 7.8267, 0.1550,
0.0753

■ 23.2468, 0.2094,
0.1741

■ 7.2287, 0.1529,
0.0703

■ 30.4010, 0.2294,
0.2059

■ 39.0670, 0.2495,
0.2369

■ 49.3257, 0.2689,
0.2660

■ 61.2519, 0.2871,
0.2926

■ 74.9159, 0.3037,
0.3163

■ 90.3838, 0.3186,
0.3372

■ 98.8335, 0.3238,
0.3474

Harmonies

Analogous

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



13.1125, 0.0996, 0.1080



13.1125, 0.1749, 0.1152



13.1125, 0.3217, 0.1531

Triad

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



13.1125, 0.1749, 0.1152



13.1125, 0.6135, 0.3865



13.1125, 0.1125, 0.4419

Complementary

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



13.1125, 0.1749, 0.1152



64.0798, 0.4301, 0.4729

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.



13.1125, 0.2165, 0.6721



13.1125, 0.1749, 0.1152



13.1125, 0.4948, 0.5052

Square

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



13.1125, 0.1749, 0.1152



13.1125, 0.6400, 0.2976



13.1125, 0.3530, 0.6470



13.1125, 0.0694, 0.2251

Rectangle

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



13.1125, 0.1749, 0.1152



13.1125, 0.4555, 0.1955



13.1125, 0.3530, 0.6470



13.1125, 0.1411, 0.5361

Sweetspot

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



13.1128, 0.1749, 0.1152



62.6347, 0.2742, 0.2738



65.4372, 0.2408, 0.3649



12.3646, 0.2674, 0.2638



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.



13.1128, 0.1749, 0.1152



10.3199, 0.1580, 0.0821



12.9220, 0.2061, 0.1098



14.9047, 0.2980, 0.3082



4.0996, 0.1534, 0.0720



0.4323, 0.1592, 0.0929

Inverse Universe

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



21.3598, 0.5426, 0.3083



22.1654, 0.6010, 0.3150



69.1724, 0.3641, 0.5246



15.0900, 0.3270, 0.3256



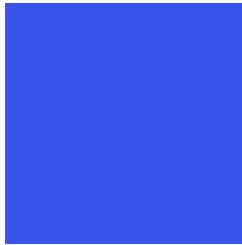
9.9067, 0.6199, 0.3188



0.7891, 0.5866, 0.3005

Previews

White Background



This preview shows how the Yxy color 13.1125, 0.1749, 0.1152 looks on a white background.

Color Contrast Check

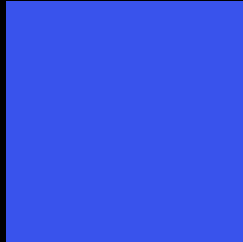
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1125, 0.1749, 0.1152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

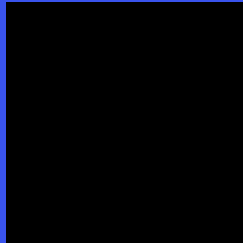
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1125, 0.1749, 0.1152

Background



This preview shows how black text looks on a background with the Yxy color 13.1125, 0.1749, 0.1152.



This preview shows how white text looks on a background with the Yxy color 13.1125, 0.1749, 0.1152.

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

13.1125, 0.1749, 0.1152

Protanopia

12.9572, 0.1744, 0.1477

Deuteranopia

12.7956, 0.1858, 0.1889



Tritanopia

12.9203, 0.2198, 0.3113

Trichromacy



Original Color

13.1125, 0.1749, 0.1152

Protanomaly

12.7716, 0.1724, 0.1332

Deuteranomaly

12.5564, 0.1785, 0.1539

Tritanomaly

12.0754, 0.1931, 0.2031

Monochromacy



Original Color

13.1125, 0.1749, 0.1152

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.8946, 0.2345, 0.2130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1125, 0.1749, 0.1152 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(57, 83, 236)` looks like.

```
.text, #text, p{  
    color:rgb(57, 83, 236)  
}
```

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(57, 83, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 83, 236) }
```

Border

The CSS property to change the border of an element to Yxy 13.1125, 0.1749, 0.1152 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(57, 83, 236) }
```

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

```
.border{ border-color:rgb(57, 83, 236) }
```

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

Here you see how a box with a 4 pixel rgb(57, 83, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 83, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 83, 236);  
box-shadow:4px 4px 4px 4px rgb(57, 83,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1125, 0.1749, 0.1152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 83, 236) }
```

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

```
.background{ background-color: rgb(57, 83,  
236) }
```

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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