

Converting Colors

$Y_{xy}(13.6029, 0.1891, 0.1248)$

Have a look what the booklet for
Yxy(13.6029, 0.1891, 0.1248)
contains.

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Color

Yxy(13.6269, 0.1892, 0.1248)

Conversions

Conversions Part 1

Format	Color
Hex	5353E4
RGB	83, 83, 228
RGB Percent	33%, 33%, 89%
CMY	0.6745, 0.6744, 0.1061
CMYK	0.64, 0.64, 0.00, 0.11
HSL	240°, 73%, 61%
HSV	240°, 64%, 89%
XYZ	20.6587, 13.6269, 74.9043
YIQ	99.5300, -46.5450, 45.0950

Conversions

Conversions Part 2

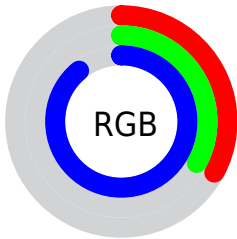
Format	Color
R_{YB}	83, 83, 228
Decimal	5460964
CIE _{Lab}	43.69, 43.33, -73.64
CIE _{LCh}	44, 85.437, 300.473
Yxy	13.6269, 0.1892, 0.1248
Android (android.graphics.Color)	4283651044 (0xFF5353E4)
YUV	99.5300, 63.3357, -14.4968
Hunter-Lab	36.9146, 35.2943, -94.4664

Details

The Yxy color **13.6269, 0.1892, 0.1248** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted blue. A complement of this color would be **72.5668, 0.4010, 0.4749**, and the grayscale version is **12.4659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1981, 0.2303, 0.1807**, and **4.2634, 0.1565, 0.0833** is the 20% darker color. If you saturate the color by 10%, you get **9.8212, 0.1722, 0.0966**, and if you desaturate by 10%, it is **18.9201, 0.2093, 0.1581**.

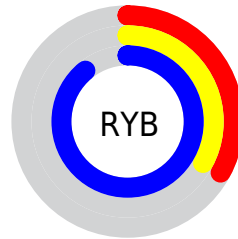
Distribution



Red (33%)

Green (33%)

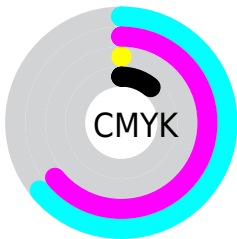
Blue (89%)



Red (33%)

Yellow (33%)

Blue (89%)

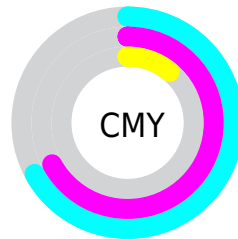


Cyan (64%)

Magenta (64%)

Yellow (0%)

Black (11%)



Cyan (67%)

Magenta (67%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.6269, 0.1892, 0.1248 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 13.6269, 0.1892, 0.1248 by changing the saturation by 10% instead.

■ 13.6269, 0.1892,
0.1248

■ 13.6269, 0.1892,
0.1248

■ 214.8972, 0.2586,
0.2239

■ 7.8616, 0.1711,
0.1036

■ 32.4255, 0.2154,
0.1587

■ 4.0065, 0.1483,
0.0793

■ 46.2277, 0.2250,
0.1721

■ 1.6772, 0.1196,
0.0525

■ 63.4776, 0.2330,
0.1838

■ 0.4088, 0.0845,
0.0216

■ 84.5597, 0.2398,
0.1939

■ 0.0000, 0.0378,
0.0000

■ 109.8583, 0.2455,
0.2028

■ 0.0000, 0.0000,
0.0000

139.7578, 0.2505,

0.2107

174.6427, 0.2548,
0.2176

■ 13.6269, 0.1892,
0.1248

■ 13.6269, 0.1892,
0.1248

■ 9.8212, 0.1722,
0.0966

■ 18.9201, 0.2093,
0.1581

■ 7.3498, 0.1597,
0.0760

■ 25.8312, 0.2309,
0.1937

■ 6.0286, 0.1524,
0.0640

■ 34.4777, 0.2523,
0.2292

■ 5.5990, 0.1500,
0.0600

■ 44.9659, 0.2726,
0.2626

■ 57.3936, 0.2910,
0.2931

71.8516, 0.3074,
0.3202

88.4250, 0.3216,
0.3438

98.3787, 0.3286,
0.3552

Harmonies

Analogous

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



13.6269, 0.1110, 0.1158



13.6269, 0.1892, 0.1248



13.6269, 0.3346, 0.1644

Triad

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



13.6269, 0.1892, 0.1248



13.6269, 0.5984, 0.3996



13.6269, 0.1183, 0.4176

Complementary

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



13.6269, 0.1892, 0.1248



72.5668, 0.4010, 0.4749

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.



13.6269, 0.2182, 0.6384



13.6269, 0.1892, 0.1248



13.6269, 0.4852, 0.5148

Square

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



13.6269, 0.1892, 0.1248



13.6269, 0.6254, 0.3092



13.6269, 0.3515, 0.6429



13.6269, 0.0773, 0.2237

Rectangle

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



13.6269, 0.1892, 0.1248



13.6269, 0.4608, 0.2072



13.6269, 0.3515, 0.6429



13.6269, 0.1454, 0.5030

Sweetspot

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



13.6272, 0.1892, 0.1248



64.8297, 0.2810, 0.2766



62.7649, 0.2378, 0.3319



12.9202, 0.2756, 0.2677



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.



13.6272, 0.1892, 0.1248



11.5783, 0.1680, 0.0898



18.5653, 0.2436, 0.1495



13.8873, 0.2980, 0.3047



3.2347, 0.1500, 0.0600



0.2391, 0.1500, 0.0600

Inverse Universe

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



23.2988, 0.5183, 0.3296



24.9581, 0.5783, 0.3298



63.3432, 0.3474, 0.5074



14.3680, 0.3293, 0.3290



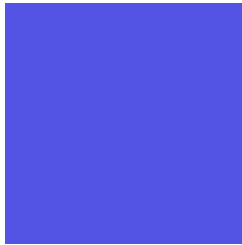
9.5243, 0.6401, 0.3300



0.7038, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 13.6269, 0.1892, 0.1248 looks on a white background.

Color Contrast Check

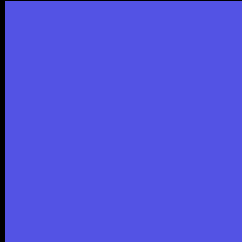
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6269, 0.1892, 0.1248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

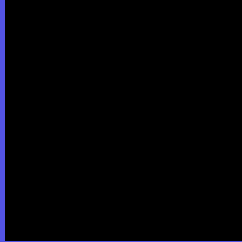
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6269, 0.1892, 0.1248

Background



This preview shows how black text looks on a background with the Yxy color 13.6269, 0.1892, 0.1248.



This preview shows how white text looks on a background with the Yxy color 13.6269, 0.1892, 0.1248.

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

13.6269, 0.1892, 0.1248

Protanopia

13.5271, 0.1744, 0.1477

Deuteranopia

13.3984, 0.1852, 0.1867



Tritanopia

13.4970, 0.2195, 0.3068

Trichromacy



Original Color

13.6269, 0.1892, 0.1248

Protanomaly

13.0626, 0.1745, 0.1354

Deuteranomaly

12.8566, 0.1810, 0.1563

Tritanomaly

12.5970, 0.1984, 0.2098

Monochromacy



Original Color

13.6269, 0.1892, 0.1248

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.4917, 0.2495, 0.2244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6269, 0.1892, 0.1248 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(83, 83, 228)` looks like.

```
.text, #text, p{  
    color:rgb(83, 83, 228)  
}
```

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(83, 83, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 83, 228) }
```

Border

The CSS property to change the border of an element to Yxy 13.6269, 0.1892, 0.1248 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(83, 83, 228) }
```

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

```
.border{ border-color:rgb(83, 83, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 83, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 83, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 83, 228);  
box-shadow:4px 4px 4px 4px rgb(83, 83,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6269, 0.1892, 0.1248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 83, 228) }
```

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

```
.background{ background-color: rgb(83, 83,  
228) }
```

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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