

Converting Colors

$Y_{xy}(13.8382, 0.1688, 0.1164)$

Have a look what the booklet for
Yxy(13.8382, 0.1688, 0.1164)
contains.

Yxy(13.7869, 0.1687, 0.1162)	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>	30

Color

Yxy(13.7869, 0.1687, 0.1162)

Conversions

Conversions Part 1

Format	Color
Hex	1F59F1
RGB	31, 89, 241
RGB Percent	12%, 35%, 95%
CMY	0.8786, 0.6510, 0.0548
CMYK	0.87, 0.63, 0.00, 0.05
HSL	223°, 88%, 53%
HSV	223°, 87%, 95%
XYZ	20.0159, 13.7869, 84.8452
YIQ	88.9860, -83.3600, 34.9760

Conversions

Conversions Part 2

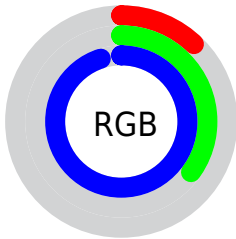
Format	Color
R _Y B	31, 76, 241
Decimal	2054641
CIE Lab	43.93, 39.17, -80.72
CIE LCh	44, 89.726, 295.887
Yxy	13.7869, 0.1687, 0.1162
Android (android.graphics.Color)	4280244721 (0xFF1F59F1)
YUV	88.9860, 74.9429, -50.8537
Hunter-Lab	37.1307, 31.2446, -109.4886

Details

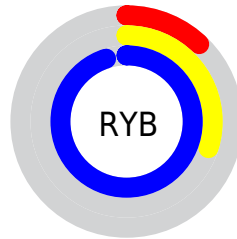
The Yxy color **13.7869, 0.1687, 0.1162** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **52.6624, 0.4658, 0.4589**, and the grayscale version is **9.8291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5368, 0.2135, 0.1815**, and **5.3375, 0.1577, 0.0878** is the 20% darker color. If you saturate the color by 10%, you get **10.9739, 0.1607, 0.0966**, and if you desaturate by 10%, it is **17.5650, 0.1803, 0.1398**.

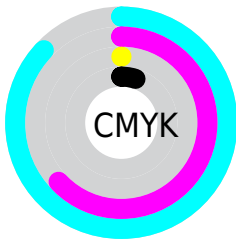
Distribution



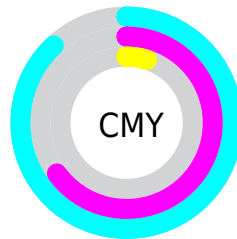
- Red (12%)
- Green (35%)
- Blue (95%)



- Red (12%)
- Yellow (30%)
- Blue (95%)



- Cyan (87%)
- Magenta (63%)
- Yellow (0%)
- Black (5%)



- Cyan (88%)
- Magenta (65%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.7869, 0.1687, 0.1162 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 13.7869, 0.1687, 0.1162 by changing the saturation by 10% instead.

■ 13.7869, 0.1687,
0.1162

■ 13.7869, 0.1687,
0.1162

■ 215.9011, 0.2468,
0.2176

■ 7.9726, 0.1496,
0.0953

■ 32.7104, 0.1973,
0.1503

■ 4.0774, 0.1263,
0.0718

■ 46.5885, 0.2081,
0.1640

■ 1.7170, 0.0981,
0.0466

■ 63.9232, 0.2172,
0.1760

■ 0.4346, 0.0656,
0.0192

■ 85.0990, 0.2249,
0.1865

■ 0.0000, 0.0243,
0.0000

■ 110.5003, 0.2316,
0.1957

■ 0.0000, 0.0000,
0.0000

140.5115, 0.2373,

0.2039

175.5169, 0.2424,
0.2111

■ 13.7869, 0.1687,
0.1162

■ 13.7869, 0.1687,
0.1162

■ 10.9739, 0.1607,
0.0966

■ 17.5650, 0.1803,
0.1398

■ 10.3192, 0.1588,
0.0917

■ 22.4071, 0.1950,
0.1661

■ 28.3970, 0.2120,
0.1938

■ 35.6086, 0.2304,
0.2214

■ 44.1094, 0.2491,
0.2481

■ 53.9613, 0.2675,
0.2729

■ 65.2223, 0.2852,
0.2956

■ 77.9467, 0.3017,
0.3159

■ 92.1859, 0.3169,
0.3339

Harmonies

Analogous

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



13.7869, 0.0984, 0.1116



13.7869, 0.1687, 0.1162



13.7869, 0.3070, 0.1513

Triad

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



13.7869, 0.1687, 0.1162



13.7869, 0.6168, 0.3804



13.7869, 0.1226, 0.4623

Complementary

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



13.7869, 0.1687, 0.1162



52.6624, 0.4658, 0.4589

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.



13.7869, 0.2305, 0.6709



13.7869, 0.1687, 0.1162



13.7869, 0.5058, 0.4942

Square

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



13.7869, 0.1687, 0.1162



13.7869, 0.6303, 0.2933



13.7869, 0.3672, 0.6328



13.7869, 0.0741, 0.2401

Rectangle

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



13.7869, 0.1687, 0.1162



13.7869, 0.4360, 0.1920



13.7869, 0.3672, 0.6328



13.7869, 0.1531, 0.5524

Sweetspot

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



13.7872, 0.1687, 0.1162



62.6356, 0.2695, 0.2755



66.5734, 0.2500, 0.4117



12.5229, 0.2632, 0.2671



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.



13.7872, 0.1687, 0.1162



11.6581, 0.1587, 0.0913



8.8855, 0.1728, 0.0792



15.9396, 0.2980, 0.3114



5.7882, 0.1596, 0.0944



0.6425, 0.1666, 0.1197

Inverse Universe

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



20.4039, 0.5485, 0.2901



21.7080, 0.5892, 0.3019



74.6947, 0.3830, 0.5264



15.8306, 0.3250, 0.3225



10.3777, 0.5843, 0.2993



0.8796, 0.5471, 0.2787

Previews

White Background



This preview shows how the Yxy color 13.7869, 0.1687, 0.1162 looks on a white background.

Color Contrast Check

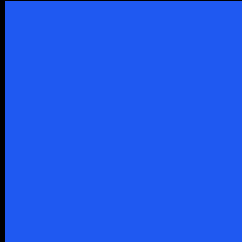
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7869, 0.1687, 0.1162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

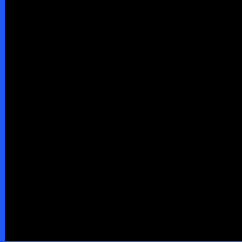
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7869, 0.1687, 0.1162

Background



This preview shows how black text looks on a background with the Yxy color 13.7869, 0.1687, 0.1162.



This preview shows how white text looks on a background with the Yxy color 13.7869, 0.1687, 0.1162.

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

13.7869, 0.1687, 0.1162

Protanopia

13.5768, 0.1742, 0.1469

Deuteranopia

13.6034, 0.1858, 0.1887



Tritanopia

13.4151, 0.2199, 0.3115

Trichromacy



Original Color

13.7869, 0.1687, 0.1162

Protanomaly

13.4760, 0.1713, 0.1336

Deuteranomaly

13.4498, 0.1776, 0.1555

Tritanomaly

12.8909, 0.1922, 0.2068

Monochromacy



Original Color

13.7869, 0.1687, 0.1162

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.3873, 0.2234, 0.2112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7869, 0.1687, 0.1162 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(31, 89, 241)` looks like.

```
.text, #text, p{  
    color:rgb(31, 89, 241)  
}
```

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(31, 89, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 89, 241) }
```

Border

The CSS property to change the border of an element to Yxy 13.7869, 0.1687, 0.1162 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(31, 89, 241) }
```

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

```
.border{ border-color:rgb(31, 89, 241) }
```

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

Here you see how a box with a 4 pixel rgb(31, 89, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 89, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 89, 241);  
box-shadow:4px 4px 4px 4px rgb(31, 89,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7869, 0.1687, 0.1162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 89, 241) }
```

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

```
.background{ background-color: rgb(31, 89,  
241) }
```

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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