

Converting Colors

$Yxy(11.3785, 0.1649, 0.0887)$

Have a look what the booklet for
Yxy(11.3785, 0.1649, 0.0887)
contains.

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Color

Yxy(11.3691, 0.1649, 0.0887)

Conversions

Conversions Part 1

Format	Color
Hex	333EFF
RGB	51, 62, 255
RGB Percent	20%, 24%, 100%
CMY	0.7998, 0.7568, 0.0001
CMYK	0.80, 0.76, 0.00, 0.00
HSL	237°, 100%, 60%
HSV	237°, 80%, 100%
XYZ	21.1360, 11.3691, 95.6696
YIQ	80.7130, -68.5090, 57.6910

Conversions

Conversions Part 2

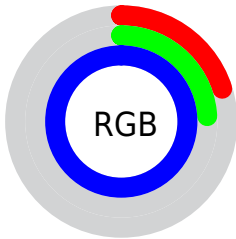
Format	Color
R _Y B	51, 61, 255
Decimal	3358463
CIE Lab	40.20, 60.70, -94.67
CIE LCh	40, 112.459, 302.668
Yxy	11.3691, 0.1649, 0.0887
Android (android.graphics.Color)	4281548543 (0xFF333EFF)
YUV	80.7130, 85.9235, -26.0583
Hunter-Lab	33.7181, 52.8851, -144.6231

Details

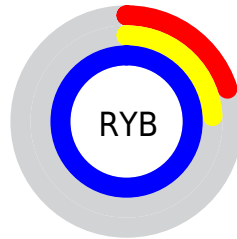
The Yxy color **11.3691, 0.1649, 0.0887** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **86.2082, 0.4209, 0.4891**, and the grayscale version is **8.0104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **23.7139, 0.2159, 0.1535**, and **4.3191, 0.1511, 0.0638** is the 20% darker color. If you saturate the color by 10%, you get **8.8106, 0.1554, 0.0715**, and if you desaturate by 10%, it is **15.4540, 0.1793, 0.1135**.

Distribution



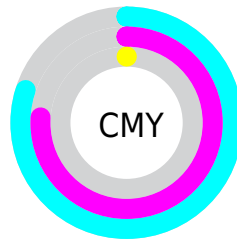
- Red (20%)
- Green (24%)
- Blue (100%)



- Red (20%)
- Yellow (24%)
- Blue (100%)



- Cyan (80%)
- Magenta (76%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (76%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3691, 0.1649, 0.0887 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 11.3691, 0.1649, 0.0887 by changing the saturation by 10% instead.


 11.3691, 0.1649,
0.0887

 11.3691, 0.1649,
0.0887


 200.1826, 0.2462,
0.1966


 6.3157, 0.1454,
0.0688


 28.3407, 0.1945,
0.1230

 3.0380, 0.1218,
0.0478


 41.0277, 0.2058,
0.1375

 1.1516, 0.0940,
0.0272

 57.0279, 0.2153,
0.1503

 0.0216, 0.0631,
0.0008

 76.7259, 0.2234,
0.1617

 0.0000, 0.0275,
0.0000

 100.5059, 0.2303,
0.1719

 0.0000, 0.0000,
0.0000

 128.7525, 0.2363,

0.1810

161.8499, 0.2416,
0.1892

■ 11.3691, 0.1649,
0.0887

■ 11.3691, 0.1649,
0.0887

■ 8.8106, 0.1554,
0.0715

■ 15.4540, 0.1793,
0.1135

■ 7.5263, 0.1507,
0.0623

■ 21.2536, 0.1975,
0.1440

■ 7.5247, 0.1507,
0.0623

■ 28.9293, 0.2179,
0.1778

■ 38.6239, 0.2392,
0.2124

■ 50.4662, 0.2600,
0.2457

■ 64.5744, 0.2794,
0.2767

■ 81.0580, 0.2971,
0.3045

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



11.3691, 0.0781, 0.0771



11.3691, 0.1649, 0.0887



11.3691, 0.3524, 0.1316

Triad

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



11.3691, 0.1649, 0.0887



11.3691, 0.6292, 0.3708



11.3691, 0.0605, 0.4130

Complementary

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



11.3691, 0.1649, 0.0887



86.2082, 0.4209, 0.4891

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.



11.3691, 0.1479, 0.7670



11.3691, 0.1649, 0.0887



11.3691, 0.4709, 0.5291

Square

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



11.3691, 0.1649, 0.0887



11.3691, 0.7084, 0.2770



11.3691, 0.2857, 0.7143



11.3691, 0.0364, 0.1695

Rectangle

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



11.3691, 0.1649, 0.0887



11.3691, 0.5279, 0.1783



11.3691, 0.2857, 0.7143



11.3691, 0.0819, 0.5487

Sweetspot

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



11.3692, 0.1649, 0.0887



58.6358, 0.2718, 0.2646



78.5850, 0.2332, 0.3454



11.4888, 0.2648, 0.2535



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.



11.3692, 0.1649, 0.0887



7.9128, 0.1521, 0.0651



15.1150, 0.2124, 0.1072



17.5342, 0.2978, 0.3057



3.9957, 0.1509, 0.0632



0.4417, 0.1530, 0.0707

Inverse Universe

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



23.9753, 0.5836, 0.3233



21.5447, 0.6303, 0.3272



79.9184, 0.3529, 0.5402



18.0029, 0.3286, 0.3278



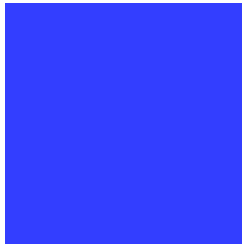
11.1313, 0.6347, 0.3270



1.0891, 0.6221, 0.3200

Previews

White Background



This preview shows how the Yxy color 11.3691, 0.1649, 0.0887 looks on a white background.

Color Contrast Check

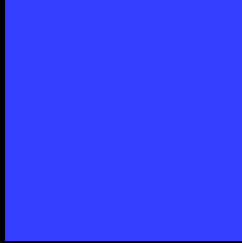
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.3691, 0.1649, 0.0887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

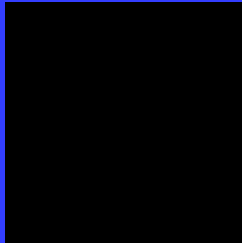
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3691, 0.1649, 0.0887

Background



This preview shows how black text looks on a background with the Yxy color 11.3691, 0.1649, 0.0887.



This preview shows how white text looks on a background with the Yxy color 11.3691, 0.1649, 0.0887.

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

11.3691, 0.1649, 0.0887

Protanopia

11.0300, 0.1747, 0.1488

Tritanopia

11.0264, 0.2202, 0.3127

Trichromacy



Original Color

11.3691, 0.1649, 0.0887

Protanomaly

10.7308, 0.1681, 0.1181

Tritanomaly

9.9275, 0.1853, 0.1760

Monochromacy



Original Color

11.3691, 0.1649, 0.0887

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.2133, 0.2192, 0.1799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3691, 0.1649, 0.0887 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(51, 62, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 62, 255)  
}
```

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(51, 62, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 62, 255) }
```

Border

The CSS property to change the border of an element to Yxy 11.3691, 0.1649, 0.0887 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(51, 62, 255) }
```

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

```
.border{ border-color:rgb(51, 62, 255) }
```

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

Here you see how a box with a 4 pixel rgb(51, 62, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 62, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 62, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 62,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 11.3691, 0.1649, 0.0887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 62, 255) }
```

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

```
.background{ background-color: rgb(51, 62,  
255) }
```

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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