

Converting Colors

$Yxy(10.1784, 0.1612, 0.0808)$

Have a look what the booklet for
Yxy(10.1784, 0.1612, 0.0808)
contains.

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Color

Yxy(10.2115, 0.1612, 0.0810)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 2C34FF |
| RGB | 44, 52, 255 |
| RGB Percent | 17%, 20%, 100% |
| CMY | 0.8272, 0.7962, 0.0000 |
| CMYK | 0.83, 0.80, 0.00, 0.00 |
| HSL | 238°, 100%, 59% |
| HSV | 238°, 83%, 100% |
| XYZ | 20.3221, 10.2115, 95.5343 |
| YIQ | 72.7500, -69.9310, 61.4370 |

Conversions

Conversions Part 2

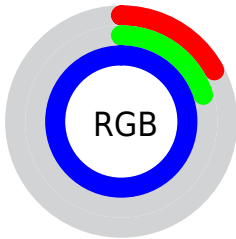
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 44, 52, 255 |
| Decimal | 2897151 |
| CIE Lab | 38.22, 65.28, -97.99 |
| CIE LCh | 38, 117.740, 303.672 |
| Yxy | 10.2115, 0.1612, 0.0810 |
| Android (android.graphics.Color) | 4281087231 (0xFF2C34FF) |
| YUV | 72.7500, 89.8492, -25.2138 |
| Hunter-Lab | 31.9554, 57.5955, -154.8851 |

Details

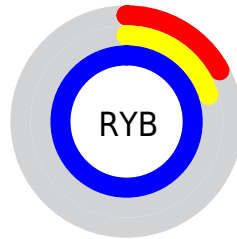
The Yxy color **10.2115, 0.1612, 0.0810** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **88.0266, 0.4202, 0.4933**, and the grayscale version is **6.4672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **21.6663, 0.2128, 0.1436**, and **4.0312, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **8.1572, 0.1533, 0.0668**, and if you desaturate by 10%, it is **13.7451, 0.1742, 0.1034**.

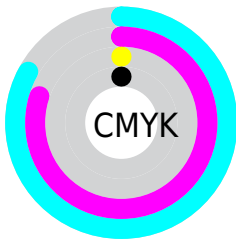
Distribution



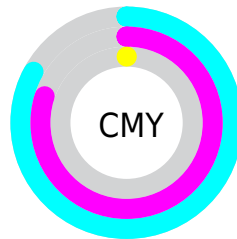
- Red (17%)
- Green (20%)
- Blue (100%)



- Red (17%)
- Yellow (20%)
- Blue (100%)



- Cyan (83%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (83%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2115, 0.1612, 0.0810 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 10.2115, 0.1612, 0.0810 by changing the saturation by 10% instead.


 10.2115, 0.1612,
0.0810


 10.2115, 0.1612,
0.0810


192.1750, 0.2451,
0.1911

 5.5394, 0.1411,
0.0614


 26.1926, 0.1917,
0.1156


 2.5671, 0.1171,
0.0410


 38.2703, 0.2034,
0.1303

 0.9102, 0.0889,
0.0218

 53.5854, 0.2132,
0.1434

 0.0000, 0.0580,
0.0000

 72.5223, 0.2215,
0.1551

 0.0000, 0.0218,
0.0000

 95.4653, 0.2287,
0.1656

 0.0000, 0.0000,
0.0000

 122.7988, 0.2349,

0.1750

154.9072, 0.2403,
0.1835

■ 10.2115, 0.1612,
0.0810

■ 10.2115, 0.1612,
0.0810

■ 8.1572, 0.1533,
0.0668

■ 13.7451, 0.1742,
0.1034

■ 7.4273, 0.1504,
0.0616

■ 18.9740, 0.1915,
0.1325

■ 26.0727, 0.2117,
0.1658

■ 35.1954, 0.2330,
0.2008

■ 46.4804, 0.2542,
0.2352

60.0537, 0.2742,
0.2674

76.0317, 0.2924,
0.2966

94.5228, 0.3086,
0.3225

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



10.2115, 0.0718, 0.0687



10.2115, 0.1612, 0.0810



10.2115, 0.3620, 0.1245

Triad

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



10.2115, 0.1612, 0.0810



10.2115, 0.6351, 0.3649



10.2115, 0.0469, 0.4014

Complementary

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



10.2115, 0.1612, 0.0810



88.0266, 0.4202, 0.4933

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.



10.2115, 0.1254, 0.7997



10.2115, 0.1612, 0.0810



10.2115, 0.4628, 0.5372

Square

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



10.2115, 0.1612, 0.0810



10.2115, 0.7302, 0.2687



10.2115, 0.2624, 0.7376



10.2115, 0.0286, 0.1534

Rectangle

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



10.2115, 0.1612, 0.0810



10.2115, 0.5519, 0.1718



10.2115, 0.2624, 0.7376



10.2115, 0.0652, 0.5514

Sweetspot

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



10.2095, 0.1612, 0.0810



56.7509, 0.2697, 0.2603



78.6161, 0.2312, 0.3416



11.1095, 0.2628, 0.2491



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.



10.2095, 0.1612, 0.0810



7.4994, 0.1508, 0.0621



14.5139, 0.2115, 0.1037



17.4867, 0.2978, 0.3053



3.9280, 0.1506, 0.0622



0.4191, 0.1521, 0.0675

Inverse Universe

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



23.3138, 0.5975, 0.3258



21.3419, 0.6363, 0.3285



79.1841, 0.3501, 0.5464



17.9981, 0.3289, 0.3282



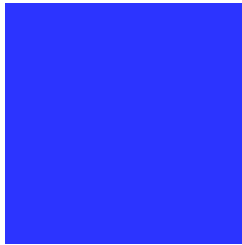
11.1245, 0.6363, 0.3279



1.0869, 0.6274, 0.3230

Previews

White Background



This preview shows how the Yxy color 10.2115, 0.1612, 0.0810 looks on a white background.

Color Contrast Check

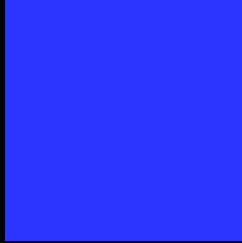
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2115, 0.1612, 0.0810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

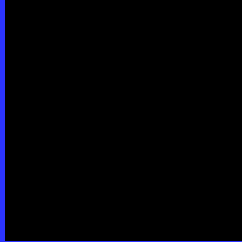
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.2115, 0.1612, 0.0810

Background



This preview shows how black text looks on a background with the Yxy color 10.2115, 0.1612, 0.0810.



This preview shows how white text looks on a background with the Yxy color 10.2115, 0.1612, 0.0810.

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

10.2115, 0.1612, 0.0810

Protanopia

9.9509, 0.1752, 0.1508

Deuteranopia

9.9542, 0.1875, 0.1949



Tritanopia

9.9232, 0.2208, 0.3147

Trichromacy



Original Color

10.2115, 0.1612, 0.0810

Protanomaly

9.5127, 0.1666, 0.1138

Deuteranomaly

9.1356, 0.1710, 0.1284

Tritanomaly

8.6479, 0.1821, 0.1660

Monochromacy



Original Color

10.2115, 0.1612, 0.0810

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

6.6688, 0.2110, 0.1648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2115, 0.1612, 0.0810 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(44, 52, 255)` looks like.

```
.text, #text, p{  
    color:rgb(44, 52, 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(44, 52, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 52, 255) }
```

Border

The CSS property to change the border of an element to Yxy 10.2115, 0.1612, 0.0810 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(44, 52, 255) }
```

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

```
.border{ border-color:rgb(44, 52, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 52, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 52, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 52, 255);  
box-shadow:4px 4px 4px 4px rgb(44, 52,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2115, 0.1612, 0.0810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 52, 255) }
```

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

```
.background{ background-color: rgb(44, 52,  
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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