

Converting Colors

$Y_{xy}(36.3585, 0.2313, 0.2215)$

Have a look what the booklet for
Yxy(36.3585, 0.2313, 0.2215)
contains.

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Color

Yxy(36.3585, 0.2313, 0.2215)

Conversions

Conversions Part 1

Format	Color
Hex	82A0F3
RGB	130, 160, 243
RGB Percent	51%, 63%, 95%
CMY	0.4898, 0.3726, 0.0470
CMYK	0.46, 0.34, 0.00, 0.05
HSL	224°, 82%, 73%
HSV	224°, 46%, 95%
XYZ	37.9671, 36.3585, 89.8211
YIQ	160.4920, -44.5230, 19.4530

Conversions

Conversions Part 2

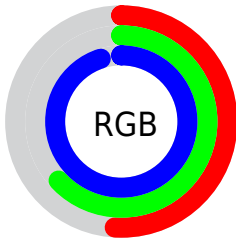
Format	Color
RYB	130, 154, 243
Decimal	8560883
CIELab	66.79, 11.37, -44.83
CIELCh	67, 46.246, 284.233
Yxy	36.3585, 0.2313, 0.2215
Android (android.graphics.Color)	4286750963 (0xFF82A0F3)
YUV	160.4920, 40.6764, -26.7415
Hunter-Lab	60.2980, 6.8725, -46.1109

Details

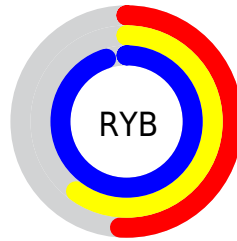
The Yxy color **36.3585, 0.2313, 0.2215** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.3303, 0.3951, 0.4164**, and the grayscale version is **35.2257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8779, 0.2692, 0.2834**, and **15.8602, 0.2087, 0.1946** is the 20% darker color. If you saturate the color by 10%, you get **28.9016, 0.2128, 0.1935**, and if you desaturate by 10%, it is **45.1626, 0.2502, 0.2485**.

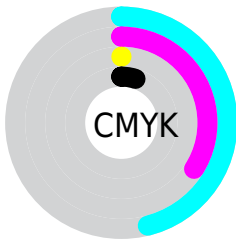
Distribution



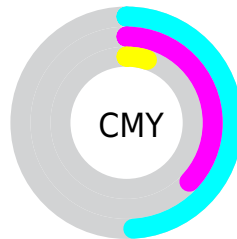
- Red (51%)
- Green (63%)
- Blue (95%)



- Red (51%)
- Yellow (60%)
- Blue (95%)



- Cyan (46%)
- Magenta (34%)
- Yellow (0%)
- Black (5%)



- Cyan (49%)
- Magenta (37%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.3585, 0.2313, 0.2215 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 36.3585, 0.2313, 0.2215 by changing the saturation by 10% instead.

■ 36.3585, 0.2313,
0.2215

■ 36.3585, 0.2313,
0.2215

330.5248, 0.2723,
0.2738

■ 24.7112, 0.2213,
0.2092

■ 69.5850, 0.2461,
0.2400

■ 15.8620, 0.2086,
0.1940

■ 91.9331, 0.2517,
0.2471

■ 9.4266, 0.1923,
0.1748

■ 118.6168, 0.2565,
0.2531

■ 5.0204, 0.1707,
0.1501

150.0206, 0.2605,
0.2584

■ 2.2593, 0.1415,
0.1180

186.5289, 0.2641,
0.2630

■ 0.7520, 0.1016,
0.0763

228.5261, 0.2672,

■ 0.0000, 0.0000,

0.2670

0.0000

276.3966, 0.2699,
0.2706

■ 36.3585, 0.2313,
0.2215

■ 36.3585, 0.2313,
0.2215

■ 28.9016, 0.2128,
0.1935

■ 45.1626, 0.2502,
0.2485

■ 22.7176, 0.1955,
0.1654

■ 55.3747, 0.2687,
0.2736

■ 17.7307, 0.1805,
0.1387

■ 67.0566, 0.2863,
0.2965

■ 13.8540, 0.1686,
0.1149

■ 80.2650, 0.3028,
0.3170

■ 10.9856, 0.1604,
0.0952

■ 95.0537, 0.3179,
0.3351

■ 10.1724, 0.1581,
0.0892

■ 99.2519, 0.3197,
0.3405

Harmonies

Analogous

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



36.3585, 0.1980, 0.2319



36.3585, 0.2313, 0.2215



36.3585, 0.2887, 0.2343

Triad

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



36.3585, 0.2313, 0.2215



36.3585, 0.4519, 0.3642



36.3585, 0.2588, 0.4060

Complementary

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



36.3585, 0.2313, 0.2215



68.3303, 0.3951, 0.4164

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.



36.3585, 0.3239, 0.4528



36.3585, 0.2313, 0.2215



36.3585, 0.4376, 0.4150

Square

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



36.3585, 0.2313, 0.2215



36.3585, 0.4230, 0.3121



36.3585, 0.3896, 0.4517



36.3585, 0.2114, 0.3327

Rectangle

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



36.3585, 0.2313, 0.2215



36.3585, 0.3359, 0.2538



36.3585, 0.3896, 0.4517



36.3585, 0.2793, 0.4263

Sweetspot

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



36.3598, 0.2313, 0.2215



78.2246, 0.2904, 0.3017



73.6627, 0.2647, 0.3661



16.0903, 0.2868, 0.2971



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.



36.3598, 0.2313, 0.2215



32.4851, 0.2134, 0.1944



29.5775, 0.2433, 0.1895



16.6397, 0.2979, 0.3111



5.7694, 0.1588, 0.0917



0.6686, 0.1654, 0.1154

Inverse Universe

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



37.5872, 0.4050, 0.2967



35.0940, 0.4362, 0.2912



80.4248, 0.3623, 0.4510



16.5545, 0.3252, 0.3228



10.6818, 0.5885, 0.3015



0.9551, 0.5533, 0.2821

Previews

White Background



This preview shows how the Yxy color 36.3585, 0.2313, 0.2215 looks on a white background.

Color Contrast Check

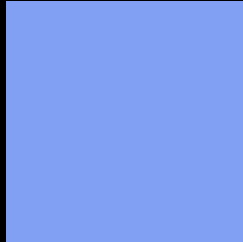
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 36.3585, 0.2313, 0.2215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

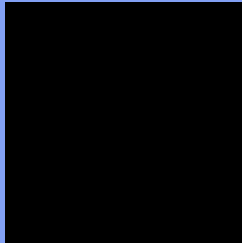
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3585, 0.2313, 0.2215

Background



This preview shows how black text looks on a background with the Yxy color 36.3585, 0.2313, 0.2215.

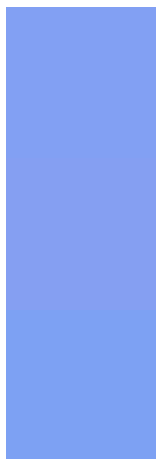


This preview shows how white text looks on a background with the Yxy color 36.3585, 0.2313, 0.2215.

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

36.3585, 0.2313, 0.2215

Protanopia

36.1936, 0.2333, 0.2217

Deuteranopia

36.3208, 0.2286, 0.2221



Tritanopia

36.5185, 0.2565, 0.3090

Trichromacy



Original Color

36.3585, 0.2313, 0.2215

Protanomaly

36.1126, 0.2327, 0.2215

Deuteranomaly

36.4728, 0.2297, 0.2224

Tritanomaly

36.3834, 0.2466, 0.2739

Monochromacy



Original Color

36.3585, 0.2313, 0.2215

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.7354, 0.2782, 0.2863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3585, 0.2313, 0.2215 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(130, 160, 243)` looks like.

```
.text, #text, p{  
    color:rgb(130, 160, 243)  
}
```

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(130, 160, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 160, 243) }
```

Border

The CSS property to change the border of an element to Yxy 36.3585, 0.2313, 0.2215 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(130, 160, 243) }
```

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

```
.border{ border-color:rgb(130, 160, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 160, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 160, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 160, 243);  
box-shadow:4px 4px 4px 4px rgb(130, 160,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3585, 0.2313, 0.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 160, 243) }
```

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

```
.background{ background-color: rgb(130,  
160, 243) }
```

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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