

Converting Colors

$Y_{xy}(35.3238, 0.2233, 0.2066)$

Have a look what the booklet for
Yxy(35.3238, 0.2233, 0.2066)
contains.

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Color

Yxy(35.3044, 0.2232, 0.2062)

Conversions

Conversions Part 1

Format	Color
Hex	7E9CFD
RGB	126, 156, 253
RGB Percent	49%, 61%, 99%
CMY	0.5059, 0.3882, 0.0080
CMYK	0.50, 0.38, 0.00, 0.01
HSL	226°, 97%, 74%
HSV	226°, 50%, 99%
XYZ	38.2150, 35.3044, 97.6949
YIQ	158.0880, -49.0170, 23.8070

Conversions

Conversions Part 2

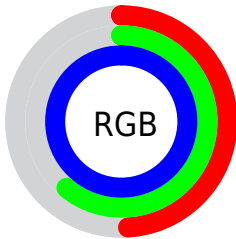
Format	Color
RYB	126, 150, 253
Decimal	8297725
CIELab	65.98, 15.65, -51.55
CIELCh	66, 53.871, 286.891
Yxy	35.3044, 0.2232, 0.2062
Android (android.graphics.Color)	4286487805 (0xFF7E9CFD)
YUV	158.0880, 46.7916, -28.1412
Hunter-Lab	59.4175, 10.8237, -55.8930

Details

The Yxy color **35.3044, 0.2232, 0.2062** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **75.1209, 0.4007, 0.4262**, and the grayscale version is **34.0343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6275, 0.2675, 0.2786**, and **15.2125, 0.1984, 0.1755** is the 20% darker color. If you saturate the color by 10%, you get **27.6444, 0.2047, 0.1770**, and if you desaturate by 10%, it is **44.4836, 0.2424, 0.2348**.

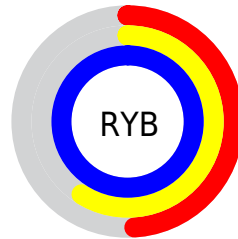
Distribution



Red (49%)

Green (61%)

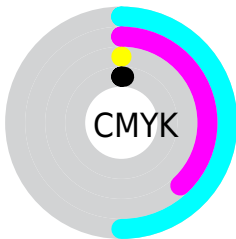
Blue (99%)



Red (49%)

Yellow (59%)

Blue (99%)

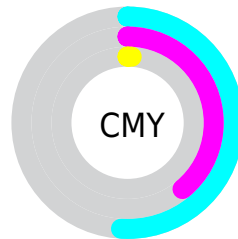


Cyan (50%)

Magenta (38%)

Yellow (0%)

Black (1%)



Cyan (51%)

Magenta (39%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3044, 0.2232, 0.2062 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 35.3044, 0.2232, 0.2062 by changing the saturation by 10% instead.


 35.3044, 0.2232,
0.2062


 35.3044, 0.2232,
0.2062

325.9099, 0.2682,
0.2650

 23.8975, 0.2123,
0.1927


 67.9571, 0.2394,
0.2267

 15.2576, 0.1987,
0.1762


 89.9716, 0.2455,
0.2347

 9.0004, 0.1813,
0.1558


 116.2907, 0.2507,
0.2416

 4.7414, 0.1587,
0.1301

147.2989, 0.2552,
0.2475

 2.0964, 0.1287,
0.0981

183.3805, 0.2591,
0.2527

 0.6626, 0.0896,
0.0580

224.9200, 0.2625,

 0.0000, 0.0000,

0.2573

0.0000

272.3016, 0.2655,
0.2614

■ 35.3044, 0.2232,
0.2062

■ 35.3044, 0.2232,
0.2062

■ 27.6444, 0.2047,
0.1770

■ 44.4836, 0.2424,
0.2348

■ 21.4139, 0.1878,
0.1486

■ 55.2571, 0.2615,
0.2618

■ 16.5188, 0.1737,
0.1226

■ 67.6993, 0.2797,
0.2865

■ 12.8507, 0.1632,
0.1004

■ 81.8788, 0.2968,
0.3089

■ 10.3023, 0.1565,
0.0834

■ 97.8602, 0.3124,
0.3286

99.8693, 0.3139,
0.3309

Harmonies

Analogous

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



35.3044, 0.1834, 0.2145



35.3044, 0.2232, 0.2062



35.3044, 0.2909, 0.2230

Triad

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



35.3044, 0.2232, 0.2062



35.3044, 0.4759, 0.3719



35.3044, 0.2428, 0.4137

Complementary

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



35.3044, 0.2232, 0.2062



75.1209, 0.4007, 0.4262

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.



35.3044, 0.3165, 0.4745



35.3044, 0.2232, 0.2062



35.3044, 0.4530, 0.4304

Square

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



35.3044, 0.2232, 0.2062



35.3044, 0.4475, 0.3129



35.3044, 0.3934, 0.4742



35.3044, 0.1920, 0.3242

Rectangle

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



35.3044, 0.2232, 0.2062



35.3044, 0.3468, 0.2461



35.3044, 0.3934, 0.4742



35.3044, 0.2657, 0.4398

Sweetspot

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



35.3056, 0.2232, 0.2062



76.2150, 0.2887, 0.2984



79.8922, 0.2609, 0.3670



15.6684, 0.2851, 0.2937



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.



35.3056, 0.2232, 0.2062



28.2740, 0.2050, 0.1775



29.2495, 0.2378, 0.1773



18.0749, 0.2979, 0.3103



5.6668, 0.1572, 0.0858



0.7111, 0.1629, 0.1062

Inverse Universe

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



38.1944, 0.4211, 0.2981



32.6030, 0.4560, 0.2939



87.1377, 0.3642, 0.4615



18.0575, 0.3257, 0.3234



11.3000, 0.5977, 0.3066



1.1163, 0.5666, 0.2895

Previews

White Background



This preview shows how the Yxy color 35.3044, 0.2232, 0.2062 looks on a white background.

Color Contrast Check

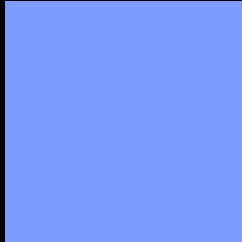
Large Text (above 18pt) WCAG AA × Fail

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 35.3044, 0.2232, 0.2062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

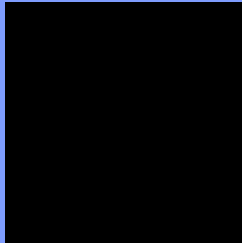
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3044, 0.2232, 0.2062

Background



This preview shows how black text looks on a background with the Yxy color 35.3044, 0.2232, 0.2062.



This preview shows how white text looks on a background with the Yxy color 35.3044, 0.2232, 0.2062.

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

35.3044, 0.2232, 0.2062

Protanopia

35.4167, 0.2218, 0.2070

Deuteranopia

35.4211, 0.2158, 0.2097



Tritanopia

35.1532, 0.2509, 0.3070

Trichromacy



Original Color

35.3044, 0.2232, 0.2062

Protanomaly

35.4909, 0.2223, 0.2071

Deuteranomaly

35.4694, 0.2185, 0.2093

Tritanomaly

34.9585, 0.2397, 0.2648

Monochromacy



Original Color

35.3044, 0.2232, 0.2062

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.0752, 0.2729, 0.2773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3044, 0.2232, 0.2062 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(126, 156, 253)` looks like.

```
.text, #text, p{  
    color:rgb(126, 156, 253)  
}
```

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(126, 156, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 156, 253) }
```

Border

The CSS property to change the border of an element to Yxy 35.3044, 0.2232, 0.2062 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(126, 156, 253) }
```

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

```
.border{ border-color:rgb(126, 156, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 156, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 156, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 156, 253);  
box-shadow:4px 4px 4px 4px rgb(126, 156,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3044, 0.2232, 0.2062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 156, 253) }
```

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

```
.background{ background-color: rgb(126,  
156, 253) }
```

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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