

Converting Colors

$Y_{xy}(35.9094, 0.2237, 0.2123)$

Have a look what the booklet for
Yxy(35.9094, 0.2237, 0.2123)
contains.

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Color

Yxy(35.9094, 0.2237, 0.2123)

Conversions

Conversions Part 1

Format	Color
Hex	7B9FFA
RGB	123, 159, 250
RGB Percent	48%, 62%, 98%
CMY	0.5171, 0.3766, 0.0195
CMYK	0.51, 0.36, 0.00, 0.02
HSL	223°, 93%, 73%
HSV	223°, 51%, 98%
XYZ	37.8376, 35.9094, 95.3976
YIQ	158.6100, -50.6670, 20.6690

Conversions

Conversions Part 2

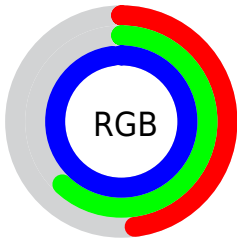
Format	Color
RYB	123, 151, 250
Decimal	8101882
CIELab	66.45, 12.43, -49.22
CIELCh	66, 50.765, 284.169
Yxy	35.9094, 0.2237, 0.2123
Android (android.graphics.Color)	4286291962 (0xFF7B9FFA)
YUV	158.6100, 45.0553, -31.2300
Hunter-Lab	59.9245, 7.8411, -52.4404

Details

The Yxy color **35.9094, 0.2237, 0.2123** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.9455, 0.4048, 0.4219**, and the grayscale version is **34.3034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6323, 0.2655, 0.2817**, and **15.5995, 0.1994, 0.1832** is the 20% darker color. If you saturate the color by 10%, you get **28.5665, 0.2058, 0.1847**, and if you desaturate by 10%, it is **44.6212, 0.2423, 0.2392**.

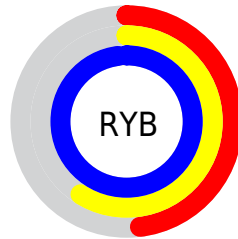
Distribution



Red (48%)

Green (62%)

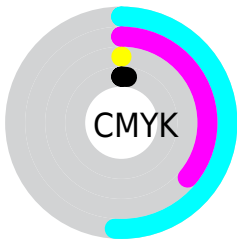
Blue (98%)



Red (48%)

Yellow (59%)

Blue (98%)

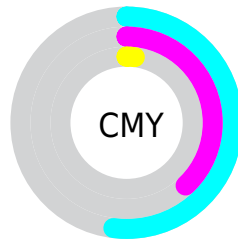


Cyan (51%)

Magenta (36%)

Yellow (0%)

Black (2%)



Cyan (52%)


Magenta (38%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9094, 0.2237, 0.2123 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 35.9094, 0.2237, 0.2123 by changing the saturation by 10% instead.


 35.9094, 0.2237,
0.2123


 35.9094, 0.2237,
0.2123


328.5644, 0.2683,
0.2686

 24.3642, 0.2129,
0.1993


 68.8922, 0.2397,
0.2321

 15.6040, 0.1994,
0.1833


 91.0986, 0.2458,
0.2397

 9.2444, 0.1822,
0.1632


 117.6276, 0.2510,
0.2463

 4.9009, 0.1596,
0.1379

148.8635, 0.2554,
0.2519

 2.1893, 0.1297,
0.1057

185.1907, 0.2593,
0.2569

 0.7141, 0.0904,
0.0652

226.9937, 0.2627,

 0.0000, 0.0000,

0.2613

0.0000

274.6568, 0.2657,
0.2651

■ 35.9094, 0.2237,
0.2123

■ 35.9094, 0.2237,
0.2123

■ 28.5665, 0.2058,
0.1847

■ 44.6212, 0.2423,
0.2392

■ 22.5137, 0.1896,
0.1574

■ 54.7669, 0.2609,
0.2646

■ 17.6691, 0.1759,
0.1320

■ 66.4116, 0.2789,
0.2880

■ 13.9379, 0.1656,
0.1097

■ 79.6153, 0.2959,
0.3090

■ 11.3623, 0.1591,
0.0928

■ 94.4343, 0.3116,
0.3277

99.6836, 0.3156,
0.3338

Harmonies

Analogous

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



35.9094, 0.1881, 0.2230



35.9094, 0.2237, 0.2123



35.9094, 0.2857, 0.2262

Triad

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



35.9094, 0.2237, 0.2123



35.9094, 0.4656, 0.3656



35.9094, 0.2530, 0.4148

Complementary

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



35.9094, 0.2237, 0.2123



69.9455, 0.4048, 0.4219

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.



35.9094, 0.3240, 0.4668



35.9094, 0.2237, 0.2123



35.9094, 0.4490, 0.4212

Square

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



35.9094, 0.2237, 0.2123



35.9094, 0.4342, 0.3096



35.9094, 0.3958, 0.4633



35.9094, 0.2021, 0.3325

Rectangle

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



35.9094, 0.2237, 0.2123



35.9094, 0.3376, 0.2471



35.9094, 0.3958, 0.4633



35.9094, 0.2753, 0.4377

Sweetspot

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



35.9107, 0.2237, 0.2123



77.1754, 0.2888, 0.3003



77.4645, 0.2625, 0.3729



15.8975, 0.2852, 0.2959



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.



35.9107, 0.2237, 0.2123



29.6596, 0.2053, 0.1838



27.6446, 0.2337, 0.1744



17.4413, 0.2979, 0.3115



6.2349, 0.1599, 0.0955



0.7489, 0.1662, 0.1182

Inverse Universe

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



37.0283, 0.4157, 0.2916



32.2641, 0.4502, 0.2863



85.4320, 0.3676, 0.4613



17.3058, 0.3249, 0.3223



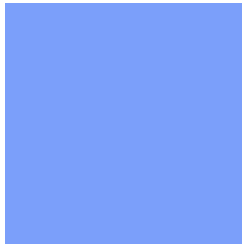
11.0403, 0.5827, 0.2984



1.0398, 0.5491, 0.2799

Previews

White Background



This preview shows how the Yxy color 35.9094, 0.2237, 0.2123 looks on a white background.

Color Contrast Check

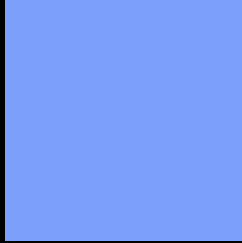
Large Text (above 18pt) WCAG AA × Fail

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 35.9094, 0.2237, 0.2123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

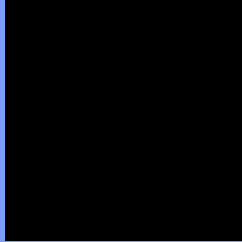
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

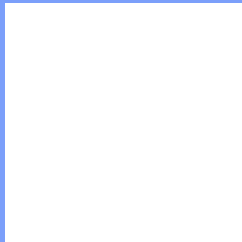
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.9094, 0.2237, 0.2123

Background



This preview shows how black text looks on a background with the Yxy color 35.9094, 0.2237, 0.2123.



This preview shows how white text looks on a background with the Yxy color 35.9094, 0.2237, 0.2123.

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

35.9094, 0.2237, 0.2123

Protanopia

35.8825, 0.2267, 0.2128

Deuteranopia

36.0367, 0.2199, 0.2138



Tritanopia

35.8750, 0.2491, 0.3071

Trichromacy



Original Color

35.9094, 0.2237, 0.2123

Protanomaly

35.7289, 0.2255, 0.2124

Deuteranomaly

35.8953, 0.2212, 0.2129

Tritanomaly

35.5559, 0.2391, 0.2677

Monochromacy



Original Color

35.9094, 0.2237, 0.2123

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.7130, 0.2739, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9094, 0.2237, 0.2123 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(123, 159, 250)` looks like.

```
.text, #text, p{  
    color:rgb(123, 159, 250)  
}
```

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(123, 159, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 159, 250) }
```

Border

The CSS property to change the border of an element to Yxy 35.9094, 0.2237, 0.2123 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(123, 159, 250) }
```

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

```
.border{ border-color:rgb(123, 159, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 159, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 159, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 159, 250);  
box-shadow:4px 4px 4px 4px rgb(123, 159,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9094, 0.2237, 0.2123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 159, 250) }
```

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

```
.background{ background-color: rgb(123,  
159, 250) }
```

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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