

Converting Colors

$Y_{xy}(32.0057, 0.2352, 0.2219)$

Have a look what the booklet for
Yxy(32.0057, 0.2352, 0.2219)
contains.

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Color

Yxy(32.0590, 0.2349, 0.2218)

Conversions

Conversions Part 1

Format	Color
Hex	8096E5
RGB	128, 150, 229
RGB Percent	50%, 59%, 90%
CMY	0.4980, 0.4118, 0.1020
CMYK	0.44, 0.34, 0.00, 0.10
HSL	227°, 66%, 70%
HSV	227°, 44%, 90%
XYZ	33.9525, 32.0590, 78.5287
YIQ	152.4280, -38.4710, 19.9050

Conversions

Conversions Part 2

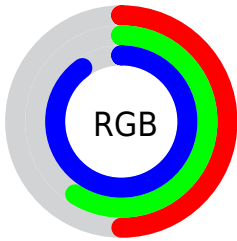
Format	Color
RYB	128, 146, 229
Decimal	8427237
CIELab	63.39, 12.57, -42.48
CIELCh	63, 44.295, 286.480
Yxy	32.0590, 0.2349, 0.2218
Android (android.graphics.Color)	4286617317 (0xFF8096E5)
YUV	152.4280, 37.7500, -21.4234
Hunter-Lab	56.6207, 7.9510, -42.5963

Details

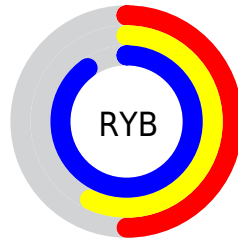
The Yxy color **32.0590, 0.2349, 0.2218** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **62.8508, 0.3880, 0.4166**, and the grayscale version is **31.4416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7200, 0.2668, 0.2716**, and **13.5092, 0.2121, 0.1940** is the 20% darker color. If you saturate the color by 10%, you get **25.1931, 0.2157, 0.1924**, and if you desaturate by 10%, it is **40.2020, 0.2542, 0.2500**.

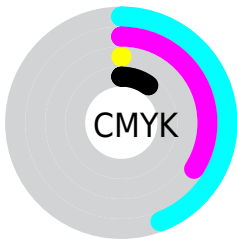
Distribution



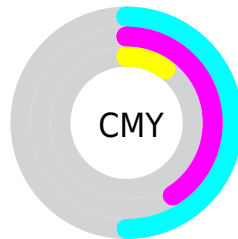
- Red (50%)
- Green (59%)
- Blue (90%)



- Red (50%)
- Yellow (57%)
- Blue (90%)



- Cyan (44%)
- Magenta (34%)
- Yellow (0%)
- Black (10%)



- Cyan (50%)
- Magenta (41%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.0590, 0.2349, 0.2218 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 32.0590, 0.2349, 0.2218 by changing the saturation by 10% instead.

■ 32.0590, 0.2349,
0.2218

■ 32.0590, 0.2349,
0.2218

■ 311.3879, 0.2751,
0.2750

■ 21.4066, 0.2248,
0.2090

■ 62.9036, 0.2496,
0.2408

■ 13.4215, 0.2118,
0.1930

■ 83.8645, 0.2551,
0.2481

■ 7.7194, 0.1948,
0.1726

■ 109.0304, 0.2598,
0.2542

■ 3.9160, 0.1718,
0.1459

■ 138.7856, 0.2637,
0.2595

■ 1.6267, 0.1399,
0.1108

■ 173.5146, 0.2672,
0.2642

■ 0.3755, 0.0949,
0.0537

■ 213.6017, 0.2701,

■ 0.0000, 0.0000,

0.2682

0.0000

259.4314, 0.2728,
0.2718

■ 32.0590, 0.2349,
0.2218

■ 32.0590, 0.2349,
0.2218

■ 25.1931, 0.2157,
0.1924

■ 40.2020, 0.2542,
0.2500

■ 19.5338, 0.1975,
0.1630

■ 49.6804, 0.2728,
0.2762

■ 15.0092, 0.1815,
0.1350

■ 60.5531, 0.2904,
0.2999

■ 11.5372, 0.1686,
0.1103

■ 72.8741, 0.3065,
0.3211

■ 9.0234, 0.1595,
0.0902

■ 86.6948, 0.3212,
0.3397

■ 7.9262, 0.1558,
0.0808

■ 98.4373, 0.3280,
0.3542

Harmonies

Analogous

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



32.0590, 0.1997, 0.2304



32.0590, 0.2349, 0.2218



32.0590, 0.2937, 0.2361

Triad

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



32.0590, 0.2349, 0.2218



32.0590, 0.4521, 0.3682



32.0590, 0.2545, 0.4008

Complementary

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



32.0590, 0.2349, 0.2218



62.8508, 0.3880, 0.4166

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.



32.0590, 0.3188, 0.4508



32.0590, 0.2349, 0.2218



32.0590, 0.4349, 0.4184

Square

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



32.0590, 0.2349, 0.2218



32.0590, 0.4265, 0.3159



32.0590, 0.3850, 0.4531



32.0590, 0.2090, 0.3273

Rectangle

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



32.0590, 0.2349, 0.2218



32.0590, 0.3414, 0.2565



32.0590, 0.3850, 0.4531



32.0590, 0.2746, 0.4220

Sweetspot

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



32.0602, 0.2349, 0.2218



78.8017, 0.2921, 0.3022



65.0594, 0.2650, 0.3592



16.1647, 0.2883, 0.2972



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.



32.0602, 0.2349, 0.2218



32.7839, 0.2172, 0.1947



28.0621, 0.2507, 0.1989



14.3933, 0.2980, 0.3100



4.6764, 0.1564, 0.0831



0.4807, 0.1638, 0.1096

Inverse Universe

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



34.3023, 0.4033, 0.3038



36.8356, 0.4338, 0.2993



70.1656, 0.3575, 0.4456



14.4191, 0.3258, 0.3239



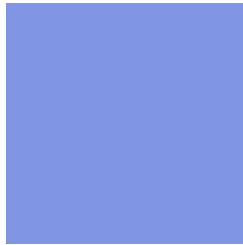
9.6698, 0.6021, 0.3090



0.7282, 0.5616, 0.2867

Previews

White Background



This preview shows how the Yxy color 32.0590, 0.2349, 0.2218 looks on a white background.

Color Contrast Check

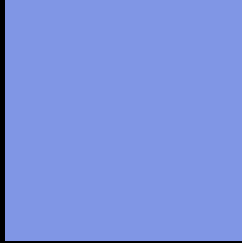
Large Text (above 18pt) WCAG AA × Fail

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 32.0590, 0.2349, 0.2218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

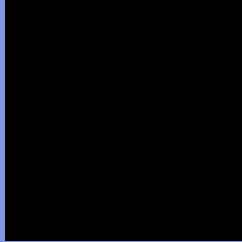
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0590, 0.2349, 0.2218

Background



This preview shows how black text looks on a background with the Yxy color 32.0590, 0.2349, 0.2218.



This preview shows how white text looks on a background with the Yxy color 32.0590, 0.2349, 0.2218.

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

32.0590, 0.2349, 0.2218

Protanopia

31.9055, 0.2336, 0.2215

Deuteranopia

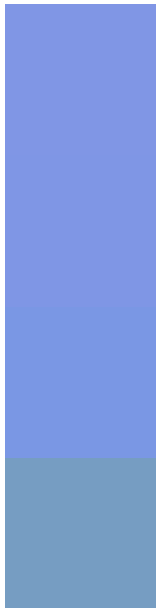
31.9798, 0.2302, 0.2242



Tritanopia

32.0564, 0.2614, 0.3081

Trichromacy



Original Color

32.0590, 0.2349, 0.2218

Protanomaly

31.9819, 0.2342, 0.2216

Deuteranomaly

31.8722, 0.2318, 0.2232

Tritanomaly

31.8605, 0.2506, 0.2728

Monochromacy



Original Color

32.0590, 0.2349, 0.2218

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.2681, 0.2797, 0.2855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0590, 0.2349, 0.2218 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(128, 150, 229)` looks like.

```
.text, #text, p{  
    color:rgb(128, 150, 229)  
}
```

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(128, 150, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 150, 229) }
```

Border

The CSS property to change the border of an element to Yxy 32.0590, 0.2349, 0.2218 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(128, 150, 229) }
```

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

```
.border{ border-color:rgb(128, 150, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 150, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 150, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 150, 229);  
box-shadow:4px 4px 4px 4px rgb(128, 150,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0590, 0.2349, 0.2218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 150, 229) }
```

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

```
.background{ background-color: rgb(128,  
150, 229) }
```

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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