

Converting Colors

$Y_{xy}(32.5289, 0.2340, 0.2118)$

Have a look what the booklet for
Yxy(32.5289, 0.2340, 0.2118)
contains.

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Color

Yxy(32.4212, 0.2335, 0.2112)

Conversions

Conversions Part 1

Format	Color
Hex	8694EE
RGB	134, 148, 238
RGB Percent	53%, 58%, 93%
CMY	0.4747, 0.4195, 0.0667
CMYK	0.44, 0.38, 0.00, 0.07
HSL	232°, 75%, 73%
HSV	232°, 44%, 93%
XYZ	35.8445, 32.4212, 85.2438
YIQ	154.0740, -37.2340, 25.0220

Conversions

Conversions Part 2

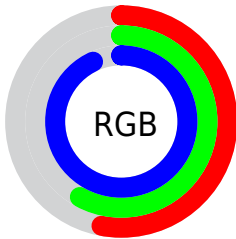
Format	Color
RYB	134, 146, 238
Decimal	8819950
CIELab	63.69, 17.75, -46.93
CIELCh	64, 50.180, 290.718
Yxy	32.4212, 0.2335, 0.2112
Android (android.graphics.Color)	4287010030 (0xFF8694EE)
YUV	154.0740, 41.3755, -17.6049
Hunter-Lab	56.9396, 12.7245, -48.9048

Details

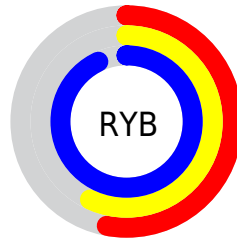
The Yxy color **32.4212, 0.2335, 0.2112** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.1524, 0.3837, 0.4241**, and the grayscale version is **32.1731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5374, 0.2704, 0.2699**, and **13.6905, 0.2099, 0.1810** is the 20% darker color. If you saturate the color by 10%, you get **24.7901, 0.2133, 0.1791**, and if you desaturate by 10%, it is **41.6420, 0.2537, 0.2423**.

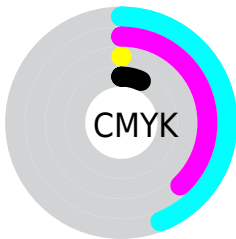
Distribution



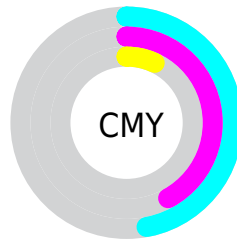
- Red (53%)
- Green (58%)
- Blue (93%)



- Red (53%)
- Yellow (57%)
- Blue (93%)



- Cyan (44%)
- Magenta (38%)
- Yellow (0%)
- Black (7%)





- Cyan (47%)
- Magenta (42%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4212, 0.2335, 0.2112 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 32.4212, 0.2335, 0.2112 by changing the saturation by 10% instead.

 32.4212, 0.2335,
0.2112


 32.4212, 0.2335,
0.2112


313.0335, 0.2744,
0.2686

 21.6834, 0.2233,
0.1977


 63.4708, 0.2484,
0.2315

 13.6245, 0.2103,
0.1811


 84.5514, 0.2540,
0.2393

 7.8599, 0.1933,
0.1601


 109.8485, 0.2588,
0.2460

 4.0055, 0.1705,
0.1334

139.7463, 0.2628,
0.2517

 1.6766, 0.1393,
0.0993

174.6293, 0.2663,
0.2568

 0.4084, 0.0974,
0.0484

214.8819, 0.2693,

 0.0000, 0.0000,

0.2612

0.0000

260.8885, 0.2720,
0.2651

■ 32.4212, 0.2335,
0.2112

■ 32.4212, 0.2335,
0.2112

■ 24.7901, 0.2133,
0.1791

■ 41.6420, 0.2537,
0.2423

■ 18.6546, 0.1942,
0.1476

■ 52.5324, 0.2730,
0.2713

■ 13.9159, 0.1775,
0.1188

■ 65.1712, 0.2909,
0.2976

■ 10.4614, 0.1645,
0.0946

■ 79.6309, 0.3071,
0.3210

■ 8.1603, 0.1559,
0.0768

■ 95.9800, 0.3216,
0.3416

■ 7.2163, 0.1525,
0.0690

■ 98.9520, 0.3226,
0.3454

Harmonies

Analogous

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



32.4212, 0.1913, 0.2161



32.4212, 0.2335, 0.2112



32.4212, 0.3018, 0.2303

Triad

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



32.4212, 0.2335, 0.2112



32.4212, 0.4692, 0.3786



32.4212, 0.2380, 0.3995

Complementary

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



32.4212, 0.2335, 0.2112



73.1524, 0.3837, 0.4241

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.



32.4212, 0.3073, 0.4634



32.4212, 0.2335, 0.2112



32.4212, 0.4424, 0.4340

Square

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



32.4212, 0.2335, 0.2112



32.4212, 0.4481, 0.3211



32.4212, 0.3821, 0.4714



32.4212, 0.1924, 0.3145

Rectangle

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



32.4212, 0.2335, 0.2112



32.4212, 0.3561, 0.2543



32.4212, 0.3821, 0.4714



32.4212, 0.2592, 0.4256

Sweetspot

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



32.4224, 0.2335, 0.2112



77.3018, 0.2920, 0.2993



71.4968, 0.2610, 0.3480



15.7992, 0.2882, 0.2938



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.



32.4224, 0.2335, 0.2112



30.2443, 0.2163, 0.1840



31.7918, 0.2582, 0.2022



15.5736, 0.2980, 0.3079



4.1327, 0.1530, 0.0706



0.4513, 0.1582, 0.0894

Inverse Universe

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



37.3470, 0.4124, 0.3135



37.1812, 0.4435, 0.3111



75.3551, 0.3509, 0.4474



15.7937, 0.3272, 0.3258



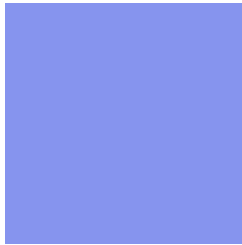
10.2105, 0.6223, 0.3202



0.8603, 0.5921, 0.3036

Previews

White Background



This preview shows how the Yxy color 32.4212, 0.2335, 0.2112 looks on a white background.

Color Contrast Check

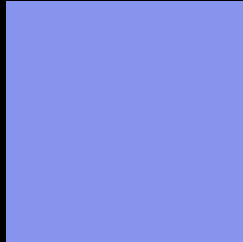
Large Text (above 18pt) WCAG AA × Fail

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 32.4212, 0.2335, 0.2112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

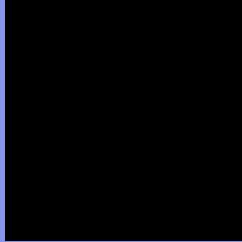
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4212, 0.2335, 0.2112

Background



This preview shows how black text looks on a background with the Yxy color 32.4212, 0.2335, 0.2112.



This preview shows how white text looks on a background with the Yxy color 32.4212, 0.2335, 0.2112.

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

32.4212, 0.2335, 0.2112

Protanopia

32.5490, 0.2246, 0.2099

Deuteranopia

32.6704, 0.2222, 0.2166



Tritanopia

32.3276, 0.2643, 0.3083

Trichromacy



Original Color

32.4212, 0.2335, 0.2112

Protanomaly

32.5396, 0.2279, 0.2104

Deuteranomaly

32.5640, 0.2263, 0.2151

Tritanomaly

32.0191, 0.2520, 0.2678

Monochromacy



Original Color

32.4212, 0.2335, 0.2112

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.1623, 0.2794, 0.2806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4212, 0.2335, 0.2112 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(134, 148, 238)` looks like.

```
.text, #text, p{  
    color:rgb(134, 148, 238)  
}
```

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(134, 148, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 148, 238) }
```

Border

The CSS property to change the border of an element to Yxy 32.4212, 0.2335, 0.2112 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(134, 148, 238) }
```

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

```
.border{ border-color:rgb(134, 148, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 148, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 148, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 148, 238);  
box-shadow:4px 4px 4px 4px rgb(134, 148,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4212, 0.2335, 0.2112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 148, 238) }
```

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

```
.background{ background-color: rgb(134,  
148, 238) }
```

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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