

Converting Colors

$Y_{xy}(32.3641, 0.2246, 0.2109)$

Have a look what the booklet for
Yxy(32.3641, 0.2246, 0.2109)
contains.

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Color

Yxy(32.4176, 0.2245, 0.2107)

Conversions

Conversions Part 1

Format	Color
Hex	7897F0
RGB	120, 151, 240
RGB Percent	47%, 59%, 94%
CMY	0.5295, 0.4078, 0.0587
CMYK	0.50, 0.37, 0.00, 0.06
HSL	224°, 80%, 71%
HSV	224°, 50%, 94%
XYZ	34.5408, 32.4176, 86.8982
YIQ	151.8770, -47.0450, 21.1070

Conversions

Conversions Part 2

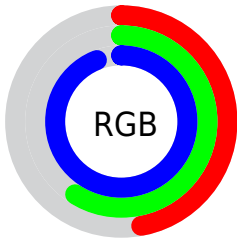
Format	Color
RYB	120, 145, 240
Decimal	7903216
CIELab	63.69, 13.33, -48.12
CIELCh	64, 49.937, 285.484
Yxy	32.4176, 0.2245, 0.2107
Android (android.graphics.Color)	4286093296 (0xFF7897F0)
YUV	151.8770, 43.4446, -27.9561
Hunter-Lab	56.9365, 8.6492, -50.6348

Details

The Yxy color **32.4176, 0.2245, 0.2107** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.4874, 0.4015, 0.4232**, and the grayscale version is **31.1669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3476, 0.2626, 0.2721**, and **13.6869, 0.1998, 0.1815** is the 20% darker color. If you saturate the color by 10%, you get **25.6094, 0.2062, 0.1823**, and if you desaturate by 10%, it is **40.5230, 0.2434, 0.2384**.

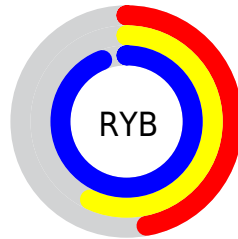
Distribution



Red (47%)

Green (59%)

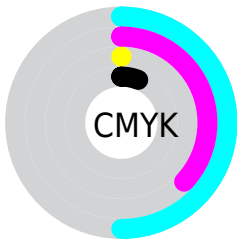
Blue (94%)



Red (47%)

Yellow (57%)

Blue (94%)

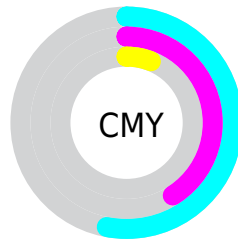


Cyan (50%)

Magenta (37%)

Yellow (0%)

Black (6%)



Cyan (53%)

Magenta (41%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4176, 0.2245, 0.2107 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 32.4176, 0.2245, 0.2107 by changing the saturation by 10% instead.

■ 32.4176, 0.2245,
0.2107

■ 32.4176, 0.2245,
0.2107

■ 313.0172, 0.2695,
0.2686

■ 21.6807, 0.2134,
0.1971

■ 63.4652, 0.2408,
0.2312

■ 13.6224, 0.1993,
0.1802

■ 84.5446, 0.2470,
0.2391

■ 7.8585, 0.1812,
0.1591

■ 109.8404, 0.2522,
0.2458

■ 4.0046, 0.1572,
0.1321

■ 139.7368, 0.2567,
0.2516

■ 1.6761, 0.1251,
0.0977

■ 174.6183, 0.2605,
0.2567

■ 0.4081, 0.0825,
0.0472

■ 214.8692, 0.2639,

■ 0.0000, 0.0000,

0.2612

0.0000

260.8741, 0.2669,
0.2651

■ 32.4176, 0.2245,
0.2107

■ 32.4176, 0.2245,
0.2107

■ 25.6094, 0.2062,
0.1823

■ 40.5230, 0.2434,
0.2384

■ 20.0237, 0.1896,
0.1545

■ 49.9878, 0.2622,
0.2644

■ 15.5825, 0.1756,
0.1286


■ 60.8742, 0.2802,
0.2883

■ 12.1959, 0.1649,
0.1061

■ 73.2391, 0.2971,
0.3099

■ 9.7426, 0.1578,
0.0881

■ 87.1365, 0.3127,
0.3290

 99.0731, 0.3214,
0.3434

Harmonies

Analogous

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



32.4176, 0.1873, 0.2202



32.4176, 0.2245, 0.2107



32.4176, 0.2885, 0.2258

Triad

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



32.4176, 0.2245, 0.2107



32.4176, 0.4685, 0.3684



32.4176, 0.2491, 0.4131

Complementary

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



32.4176, 0.2245, 0.2107



65.4874, 0.4015, 0.4232

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.



32.4176, 0.3206, 0.4684



32.4176, 0.2245, 0.2107



32.4176, 0.4494, 0.4247

Square

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



32.4176, 0.2245, 0.2107



32.4176, 0.4388, 0.3115



32.4176, 0.3939, 0.4667



32.4176, 0.1987, 0.3287

Rectangle

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



32.4176, 0.2245, 0.2107



32.4176, 0.3416, 0.2476



32.4176, 0.3939, 0.4667



32.4176, 0.2714, 0.4371

Sweetspot

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



32.4187, 0.2245, 0.2107



76.6728, 0.2887, 0.2993



70.8844, 0.2621, 0.3694



15.7775, 0.2851, 0.2947



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.



32.4187, 0.2245, 0.2107



29.2556, 0.2059, 0.1818



26.0144, 0.2368, 0.1778



15.8928, 0.2980, 0.3110



5.5134, 0.1585, 0.0906



0.6142, 0.1654, 0.1154

Inverse Universe

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



34.1918, 0.4167, 0.2953



32.7021, 0.4516, 0.2905



77.6935, 0.3654, 0.4600



15.8259, 0.3253, 0.3229



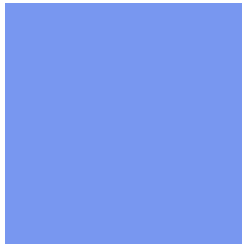
10.3499, 0.5902, 0.3025



0.8767, 0.5532, 0.2821

Previews

White Background



This preview shows how the Yxy color 32.4176, 0.2245, 0.2107 looks on a white background.

Color Contrast Check

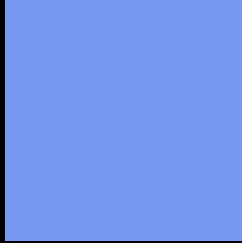
Large Text (above 18pt) WCAG AA × Fail

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 32.4176, 0.2245, 0.2107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

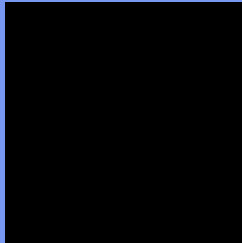
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4176, 0.2245, 0.2107

Background



This preview shows how black text looks on a background with the Yxy color 32.4176, 0.2245, 0.2107.



This preview shows how white text looks on a background with the Yxy color 32.4176, 0.2245, 0.2107.

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

32.4176, 0.2245, 0.2107

Protanopia

32.4894, 0.2251, 0.2109

Deuteranopia

32.5944, 0.2197, 0.2141



Tritanopia

32.4346, 0.2512, 0.3078

Trichromacy



Original Color

32.4176, 0.2245, 0.2107

Protanomaly

32.4894, 0.2251, 0.2109

Deuteranomaly

32.5252, 0.2216, 0.2133

Tritanomaly

32.0922, 0.2401, 0.2668

Monochromacy



Original Color

32.4176, 0.2245, 0.2107

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.4926, 0.2741, 0.2812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4176, 0.2245, 0.2107 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(120, 151, 240)` looks like.

```
.text, #text, p{  
    color:rgb(120, 151, 240)  
}
```

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(120, 151, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 151, 240) }
```

Border

The CSS property to change the border of an element to Yxy 32.4176, 0.2245, 0.2107 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(120, 151, 240) }
```

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

```
.border{ border-color:rgb(120, 151, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 151, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 151, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 151, 240); box-shadow:4px 4px 4px 4px rgb(120, 151, 240) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4176, 0.2245, 0.2107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 151, 240) }
```

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

```
.background{ background-color: rgb(120,  
151, 240) }
```

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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