

Converting Colors

$Yxy(32.8332, 0.2222, 0.2140)$

Have a look what the booklet for
Yxy(32.8332, 0.2222, 0.2140)
contains.

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Color

Yxy(32.9206, 0.2224, 0.2149)

Conversions

Conversions Part 1

Format	Color
Hex	729AEF
RGB	114, 154, 239
RGB Percent	45%, 60%, 94%
CMY	0.5530, 0.3960, 0.0628
CMYK	0.52, 0.36, 0.00, 0.06
HSL	221°, 80%, 69%
HSV	221°, 52%, 94%
XYZ	34.0695, 32.9206, 86.2002
YIQ	151.7300, -51.1250, 17.9550

Conversions

Conversions Part 2

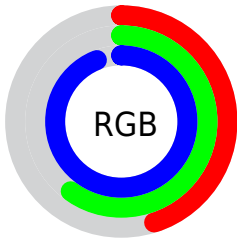
Format	Color
RYB	114, 144, 239
Decimal	7510767
CIELab	64.10, 9.93, -46.92
CIELCh	64, 47.960, 281.954
Yxy	32.9206, 0.2224, 0.2149
Android (android.graphics.Color)	4285700847 (0xFF729AEF)
YUV	151.7300, 43.0241, -33.0892
Hunter-Lab	57.3765, 5.5825, -48.9115

Details

The Yxy color **32.9206, 0.2224, 0.2149** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **60.3818, 0.4103, 0.4197**, and the grayscale version is **31.1039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1024, 0.2594, 0.2751**, and **13.8495, 0.1966, 0.1838** is the 20% darker color. If you saturate the color by 10%, you get **26.5188, 0.2052, 0.1886**, and if you desaturate by 10%, it is **40.4689, 0.2405, 0.2405**.

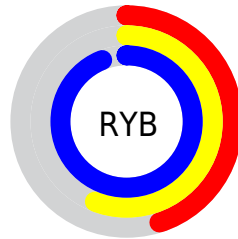
Distribution



Red (45%)

Green (60%)

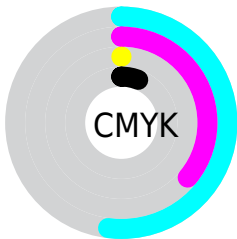
Blue (94%)



Red (45%)

Yellow (56%)

Blue (94%)

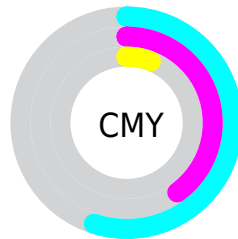


Cyan (52%)

Magenta (36%)

Yellow (0%)

Black (6%)



Cyan (55%)


Magenta (40%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9206, 0.2224, 0.2149 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 32.9206, 0.2224, 0.2149 by changing the saturation by 10% instead.


 32.9206, 0.2224,
0.2149


 32.9206, 0.2224,
0.2149


315.2918, 0.2683,
0.2711


 22.0656, 0.2111,
0.2016


 64.2515, 0.2390,
0.2349

 13.9051, 0.1969,
0.1851


 85.4963, 0.2453,
0.2425

 8.0547, 0.1786,
0.1642


 110.9731, 0.2506,
0.2490

 4.1300, 0.1545,
0.1375

141.0664, 0.2551,
0.2547

 1.7465, 0.1222,
0.1031

176.1605, 0.2591,
0.2596

 0.4535, 0.0791,
0.0533

216.6398, 0.2625,

 0.0000, 0.0000,

0.2639

0.0000

262.8888, 0.2656,
0.2677

■ 32.9206, 0.2224,
0.2149

■ 32.9206, 0.2224,
0.2149

■ 26.5188, 0.2052,
0.1886

■ 40.4689, 0.2405,
0.2405

■ 21.1977, 0.1898,
0.1626

■ 49.2172, 0.2587,
0.2647

■ 16.8891, 0.1768,
0.1381

■ 59.2197, 0.2765,
0.2870


■ 13.5137, 0.1671,
0.1163

■ 70.5259, 0.2934,
0.3072

■ 11.4735, 0.1617,
0.1019

■ 83.1825, 0.3092,
0.3252

 96.7825, 0.3223,
0.3411

 99.0105, 0.3220,
0.3444

Harmonies

Analogous

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



32.9206, 0.1895, 0.2275



32.9206, 0.2224, 0.2149



32.9206, 0.2813, 0.2268

Triad

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



32.9206, 0.2224, 0.2149



32.9206, 0.4609, 0.3611



32.9206, 0.2594, 0.4175

Complementary

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



32.9206, 0.2224, 0.2149



60.3818, 0.4103, 0.4197

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.



32.9206, 0.3294, 0.4643



32.9206, 0.2224, 0.2149



32.9206, 0.4483, 0.4157

Square

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



32.9206, 0.2224, 0.2149



32.9206, 0.4269, 0.3064



32.9206, 0.3987, 0.4578



32.9206, 0.2076, 0.3385

Rectangle

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



32.9206, 0.2224, 0.2149



32.9206, 0.3313, 0.2464



32.9206, 0.3987, 0.4578



32.9206, 0.2816, 0.4386

Sweetspot

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



32.9217, 0.2224, 0.2149



76.6305, 0.2872, 0.2999



69.3401, 0.2645, 0.3828



15.8214, 0.2837, 0.2957



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.



32.9217, 0.2224, 0.2149



30.1146, 0.2037, 0.1862



23.3961, 0.2263, 0.1678



16.0551, 0.2980, 0.3125



6.5514, 0.1624, 0.1047



0.7180, 0.1697, 0.1307

Inverse Universe

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



32.7101, 0.4142, 0.2856



31.3969, 0.4490, 0.2794



77.8604, 0.3734, 0.4625



15.8423, 0.3243, 0.3215



10.4547, 0.5688, 0.2907



0.8872, 0.5317, 0.2703

Previews

White Background



This preview shows how the Yxy color 32.9206, 0.2224, 0.2149 looks on a white background.

Color Contrast Check

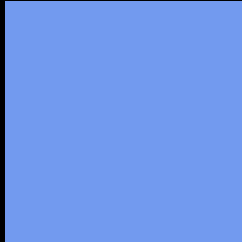
Large Text (above 18pt) WCAG AA × Fail

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 32.9206, 0.2224, 0.2149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

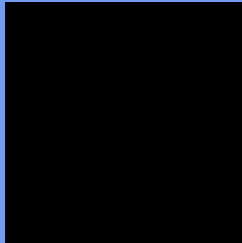
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

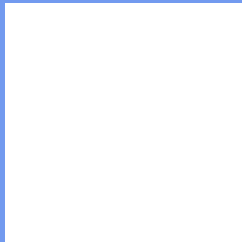
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.9206, 0.2224, 0.2149

Background



This preview shows how black text looks on a background with the Yxy color 32.9206, 0.2224, 0.2149.



This preview shows how white text looks on a background with the Yxy color 32.9206, 0.2224, 0.2149.

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

32.9206, 0.2224, 0.2149

Protanopia

32.8560, 0.2287, 0.2157

Deuteranopia

32.7879, 0.2213, 0.2146



Tritanopia

32.9068, 0.2468, 0.3078

Trichromacy



Original Color

32.9206, 0.2224, 0.2149

Protanomaly

32.9486, 0.2260, 0.2154

Deuteranomaly

32.8539, 0.2218, 0.2147

Tritanomaly

32.8244, 0.2368, 0.2697

Monochromacy



Original Color

32.9206, 0.2224, 0.2149

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.6464, 0.2725, 0.2825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9206, 0.2224, 0.2149 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(114, 154, 239)` looks like.

```
.text, #text, p{  
    color:rgb(114, 154, 239)  
}
```

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(114, 154, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 154, 239) }
```

Border

The CSS property to change the border of an element to Yxy 32.9206, 0.2224, 0.2149 is called "border". The border property can be set on classes, ids or directly on the HTML element.

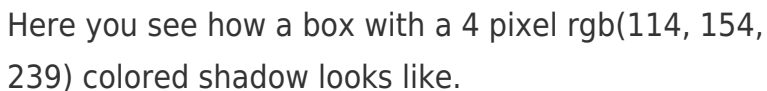
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 154, 239) }
```

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

```
.border{ border-color:rgb(114, 154, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(114, 154, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 154, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 154, 239); box-shadow:4px 4px 4px 4px rgb(114, 154, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9206, 0.2224, 0.2149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 154, 239) }
```

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

```
.background{ background-color: rgb(114,  
154, 239) }
```

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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