

Converting Colors

$Y_{xy}(32.8282, 0.2162, 0.2260)$

Have a look what the booklet for
Yxy(32.8282, 0.2162, 0.2260)
contains.

Yxy(32.9496, 0.2164, 0.2265)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.9496, 0.2164, 0.2265)

Conversions

Conversions Part 1

Format	Color
Hex	5D9FE8
RGB	93, 159, 232
RGB Percent	36%, 62%, 91%
CMY	0.6351, 0.3765, 0.0902
CMYK	0.60, 0.31, 0.00, 0.09
HSL	212°, 75%, 64%
HSV	212°, 60%, 91%
XYZ	31.4803, 32.9496, 81.0429
YIQ	147.5880, -62.7690, 8.7110

Conversions

Conversions Part 2

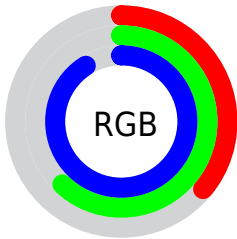
Format	Color
R _Y B	93, 138, 232
Decimal	6135784
CIE Lab	64.12, 0.60, -43.11
CIE LCh	64, 43.118, 270.793
Yxy	32.9496, 0.2164, 0.2265
Android (android.graphics.Color)	4284325864 (0xFF5D9FE8)
YUV	147.5880, 41.6151, -47.8737
Hunter-Lab	57.4017, -2.5599, -43.5276

Details

The Yxy color **32.9496, 0.2164, 0.2265** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **45.2358, 0.4419, 0.4088**, and the grayscale version is **29.2821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5808, 0.2497, 0.2797**, and **13.9242, 0.1895, 0.1980** is the 20% darker color. If you saturate the color by 10%, you get **27.9303, 0.2025, 0.2058**, and if you desaturate by 10%, it is **38.7517, 0.2318, 0.2467**.

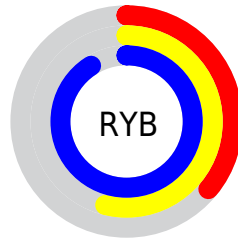
Distribution



Red (36%)

Green (62%)

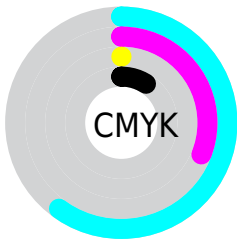
Blue (91%)



Red (36%)

Yellow (54%)

Blue (91%)

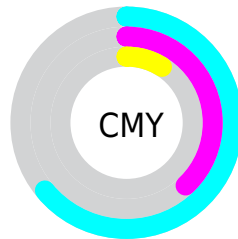


Cyan (60%)

Magenta (31%)

Yellow (0%)

Black (9%)



Cyan (64%)

Magenta (38%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9496, 0.2164, 0.2265 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 32.9496, 0.2164, 0.2265 by changing the saturation by 10% instead.

■ 32.9496, 0.2164,
0.2265

■ 32.9496, 0.2164,
0.2265

■ 315.4226, 0.2650,
0.2781

■ 22.0878, 0.2045,
0.2139

■ 64.2968, 0.2339,
0.2451

■ 13.9215, 0.1896,
0.1981

■ 85.5511, 0.2406,
0.2522

■ 8.0661, 0.1704,
0.1778

■ 111.0383, 0.2462,
0.2581

■ 4.1372, 0.1451,
0.1511

■ 141.1429, 0.2510,
0.2633

■ 1.7506, 0.1115,
0.1158

■ 176.2492, 0.2552,
0.2677

■ 0.4561, 0.0613,
0.0624

■ 216.7417, 0.2589,

■ 0.0000, 0.0000,

0.2716

0.0000

263.0046, 0.2621,
0.2750

■ 32.9496, 0.2164,
0.2265

■ 32.9496, 0.2164,
0.2265

■ 27.9303, 0.2025,
0.2058

■ 38.7517, 0.2318,
0.2467

■ 23.6441, 0.1907,
0.1853

■ 45.3747, 0.2480,
0.2661

■ 20.0389, 0.1813,
0.1656

■ 52.8576, 0.2647,
0.2841


■ 17.0321, 0.1742,
0.1471


■ 61.2357, 0.2812,
0.3007

■ 17.0027, 0.1742,
0.1469

■ 70.5420, 0.2974,
0.3157

 80.8075, 0.3129,
0.3291

 91.9775, 0.3273,
0.3411

 98.6061, 0.3262,
0.3513

Harmonies

Analogous

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



32.9496, 0.1953, 0.2481



32.9496, 0.2164, 0.2265



32.9496, 0.2622, 0.2291

Triad

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



32.9496, 0.2164, 0.2265



32.9496, 0.4394, 0.3406



32.9496, 0.2879, 0.4282

Complementary

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



32.9496, 0.2164, 0.2265



45.2358, 0.4419, 0.4088

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.



32.9496, 0.3533, 0.4532



32.9496, 0.2164, 0.2265



32.9496, 0.4443, 0.3915

Square

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



32.9496, 0.2164, 0.2265



32.9496, 0.3947, 0.2918



32.9496, 0.4111, 0.4348



32.9496, 0.2325, 0.3650

Rectangle

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



32.9496, 0.2164, 0.2265



32.9496, 0.3041, 0.2426



32.9496, 0.4111, 0.4348



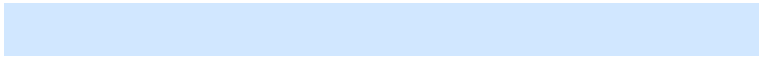
32.9496, 0.3094, 0.4418

Sweetspot

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



32.9507, 0.2164, 0.2265



77.8778, 0.2842, 0.3035



62.7526, 0.2705, 0.4228



15.9810, 0.2794, 0.2989



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.



32.9507, 0.2164, 0.2265



33.2141, 0.1994, 0.2007



16.1148, 0.1976, 0.1370



15.0098, 0.2981, 0.3163



9.6878, 0.1750, 0.1498



0.9008, 0.1825, 0.1771

Inverse Universe

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



27.4951, 0.4070, 0.2575



28.3049, 0.4383, 0.2494



75.2741, 0.3956, 0.4699



14.4813, 0.3218, 0.3179



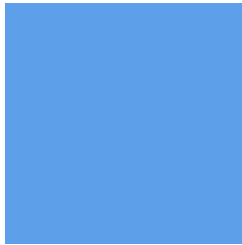
10.1757, 0.5061, 0.2562



0.7706, 0.4720, 0.2374

Previews

White Background



This preview shows how the Yxy color 32.9496, 0.2164, 0.2265 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 32.9496, 0.2164, 0.2265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

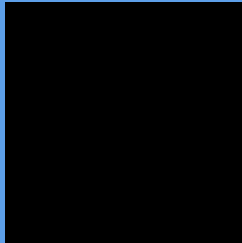
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

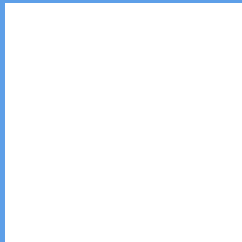
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.9496, 0.2164, 0.2265

Background



This preview shows how black text looks on a background with the Yxy color 32.9496, 0.2164, 0.2265.



This preview shows how white text looks on a background with the Yxy color 32.9496, 0.2164, 0.2265.

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

32.9496, 0.2164, 0.2265

Protanopia

32.6933, 0.2384, 0.2281

Deuteranopia

32.8459, 0.2276, 0.2216



Tritanopia

33.0929, 0.2344, 0.3075

Trichromacy



Original Color

32.9496, 0.2164, 0.2265

Protanomaly

32.8260, 0.2298, 0.2281

Deuteranomaly

32.9113, 0.2230, 0.2231

Tritanomaly

32.7427, 0.2270, 0.2743

Monochromacy



Original Color

32.9496, 0.2164, 0.2265

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.3003, 0.2677, 0.2870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9496, 0.2164, 0.2265 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(93, 159, 232)` looks like.

```
.text, #text, p{  
    color:rgb(93, 159, 232)  
}
```

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(93, 159, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 159, 232) }
```

Border

The CSS property to change the border of an element to Yxy 32.9496, 0.2164, 0.2265 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(93, 159, 232) }
```

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

```
.border{ border-color:rgb(93, 159, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 159, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 159, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 159, 232);  
box-shadow:4px 4px 4px 4px rgb(93, 159,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9496, 0.2164, 0.2265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 159, 232) }
```

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

```
.background{ background-color: rgb(93, 159,  
232) }
```

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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