

Converting Colors

$Y_{xy}(33.6096, 0.2220, 0.2248)$

Have a look what the booklet for
Yxy(33.6096, 0.2220, 0.2248)
contains.

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Color

Yxy(33.5200, 0.2221, 0.2246)

Conversions

Conversions Part 1

Format	Color
Hex	6B9EEA
RGB	107, 158, 234
RGB Percent	42%, 62%, 92%
CMY	0.5802, 0.3804, 0.0823
CMYK	0.54, 0.32, 0.00, 0.08
HSL	216°, 75%, 67%
HSV	216°, 54%, 92%
XYZ	33.1469, 33.5200, 82.5762
YIQ	151.4150, -54.7920, 12.8240

Conversions

Conversions Part 2

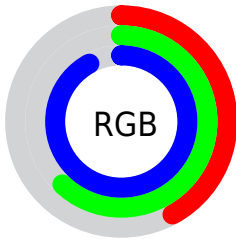
Format	Color
RYB	107, 143, 234
Decimal	7053034
CIELab	64.58, 4.62, -43.46
CIELCh	65, 43.701, 276.063
Yxy	33.5200, 0.2221, 0.2246
Android (android.graphics.Color)	4285243114 (0xFF6B9EEA)
YUV	151.4150, 40.7144, -38.9520
Hunter-Lab	57.8965, 0.8761, -44.0363

Details

The Yxy color **33.5200, 0.2221, 0.2246** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **52.4537, 0.4209, 0.4123**, and the grayscale version is **30.9789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3063, 0.2561, 0.2793**, and **14.2433, 0.1967, 0.1961** is the 20% darker color. If you saturate the color by 10%, you get **27.7505, 0.2063, 0.2012**, and if you desaturate by 10%, it is **40.2294, 0.2390, 0.2473**.

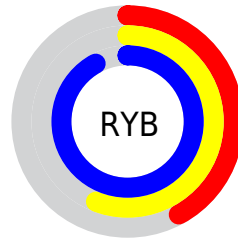
Distribution



Red (42%)

Green (62%)

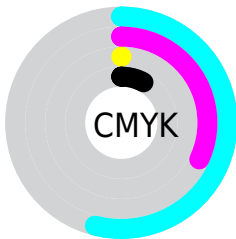
Blue (92%)



Red (42%)

Yellow (56%)

Blue (92%)

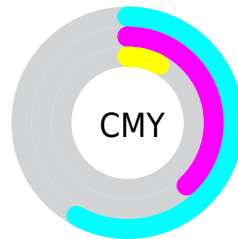


Cyan (54%)

Magenta (32%)

Yellow (0%)

Black (8%)



Cyan (58%)

Magenta (38%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5200, 0.2221, 0.2246 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 33.5200, 0.2221, 0.2246 by changing the saturation by 10% instead.

■ 33.5200, 0.2221,
0.2246

■ 33.5200, 0.2221,
0.2246

■ 317.9864, 0.2679,
0.2766

■ 22.5251, 0.2109,
0.2120

■ 65.1865, 0.2387,
0.2433

■ 14.2432, 0.1967,
0.1963

■ 86.6269, 0.2449,
0.2504

■ 8.2900, 0.1784,
0.1762

■ 112.3180, 0.2502,
0.2564

■ 4.2811, 0.1542,
0.1500

■ 142.6441, 0.2548,
0.2616

■ 1.8320, 0.1216,
0.1154

■ 177.9895, 0.2587,
0.2661

■ 0.5070, 0.0763,
0.0650

■ 218.7388, 0.2622,

■ 0.0000, 0.0000,

0.2700

0.0000

265.2763, 0.2652,
0.2735

■ 33.5200, 0.2221,
0.2246

■ 33.5200, 0.2221,
0.2246

■ 27.7505, 0.2063,
0.2012

■ 40.2294, 0.2390,
0.2473

■ 22.8665, 0.1922,
0.1779

■ 47.9213, 0.2563,
0.2687

■ 18.8126, 0.1806,
0.1555


■ 56.6396, 0.2736,
0.2885

■ 15.5222, 0.1718,
0.1349

■ 66.4242, 0.2903,
0.3065

■ 13.9285, 0.1678,
0.1240

■ 77.3127, 0.3062,
0.3227

 89.3407, 0.3212,
0.3370

 98.7214, 0.3250,
0.3493

Harmonies

Analogous

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



33.5200, 0.1964, 0.2418



33.5200, 0.2221, 0.2246



33.5200, 0.2722, 0.2311

Triad

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



33.5200, 0.2221, 0.2246



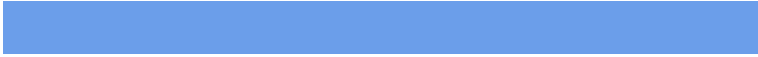
33.5200, 0.4444, 0.3496



33.5200, 0.2766, 0.4199

Complementary

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



33.5200, 0.2221, 0.2246



52.4537, 0.4209, 0.4123

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.



33.5200, 0.3420, 0.4533



33.5200, 0.2221, 0.2246



33.5200, 0.4419, 0.4004

Square

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



33.5200, 0.2221, 0.2246



33.5200, 0.4056, 0.2996



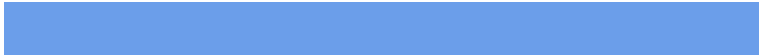
33.5200, 0.4029, 0.4412



33.5200, 0.2243, 0.3524

Rectangle

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



33.5200, 0.2221, 0.2246



33.5200, 0.3162, 0.2470



33.5200, 0.4029, 0.4412



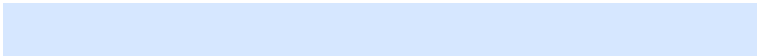
33.5200, 0.2978, 0.4361

Sweetspot

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



33.5212, 0.2221, 0.2246



78.4580, 0.2873, 0.3034



65.3242, 0.2686, 0.4002



16.2544, 0.2839, 0.2998



0.0000, 0.0000, 0.0000



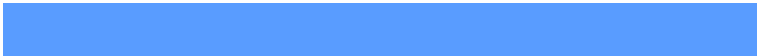
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.5212, 0.2221, 0.2246



33.0513, 0.2047, 0.1988



20.2921, 0.2149, 0.1583



15.5410, 0.2980, 0.3145



8.0568, 0.1686, 0.1269



0.8165, 0.1762, 0.1543

Inverse Universe

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



30.4886, 0.4062, 0.2730



30.8385, 0.4370, 0.2652



75.6744, 0.3831, 0.4627



15.1542, 0.3230, 0.3196



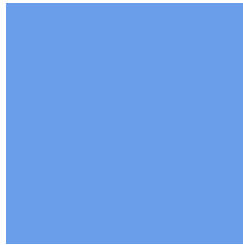
10.3061, 0.5370, 0.2732



0.8278, 0.5004, 0.2530

Previews

White Background



This preview shows how the Yxy color 33.5200, 0.2221, 0.2246 looks on a white background.

Color Contrast Check

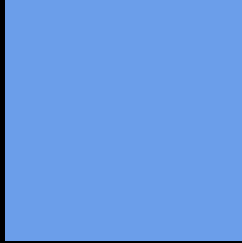
Large Text (above 18pt) WCAG AA × Fail

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 33.5200, 0.2221, 0.2246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

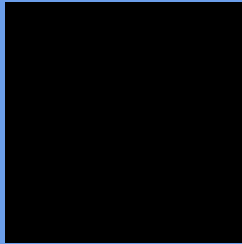
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

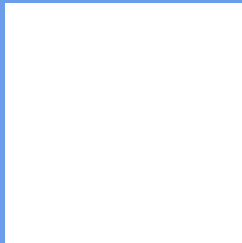
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.5200, 0.2221, 0.2246

Background



This preview shows how black text looks on a background with the Yxy color 33.5200, 0.2221, 0.2246.



This preview shows how white text looks on a background with the Yxy color 33.5200, 0.2221, 0.2246.

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

33.5200, 0.2221, 0.2246

Protanopia

33.2415, 0.2364, 0.2253

Deuteranopia

33.3628, 0.2274, 0.2211



Tritanopia

33.4574, 0.2423, 0.3063

Trichromacy



Original Color

33.5200, 0.2221, 0.2246

Protanomaly

33.3498, 0.2313, 0.2257

Deuteranomaly

33.4199, 0.2254, 0.2219

Tritanomaly

33.2009, 0.2341, 0.2724

Monochromacy



Original Color

33.5200, 0.2221, 0.2246

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.5983, 0.2724, 0.2880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5200, 0.2221, 0.2246 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(107, 158, 234)` looks like.

```
.text, #text, p{  
    color:rgb(107, 158, 234)  
}
```

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(107, 158, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 158, 234) }
```

Border

The CSS property to change the border of an element to Yxy 33.5200, 0.2221, 0.2246 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(107, 158, 234) }
```

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

```
.border{ border-color:rgb(107, 158, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 158, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 158, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 158, 234);  
box-shadow:4px 4px 4px 4px rgb(107, 158,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5200, 0.2221, 0.2246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 158, 234) }
```

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

```
.background{ background-color: rgb(107,  
158, 234) }
```

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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