

Converting Colors

$Y_{xy}(32.6952, 0.2061, 0.2221)$

Have a look what the booklet for
Yxy(32.6952, 0.2061, 0.2221)
contains.

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Color

Yxy(32.8480, 0.2064, 0.2229)

Conversions

Conversions Part 1

Format	Color
Hex	46A1EC
RGB	70, 161, 236
RGB Percent	27%, 63%, 93%
CMY	0.7251, 0.3687, 0.0745
CMYK	0.70, 0.32, 0.00, 0.07
HSL	207°, 81%, 60%
HSV	207°, 70%, 93%
XYZ	30.4165, 32.8480, 84.1021
YIQ	142.3410, -78.3110, 4.0330

Conversions

Conversions Part 2

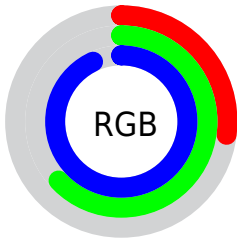
Format	Color
R _{YB}	70, 129, 236
Decimal	4628972
CIE Lab	64.04, -2.99, -45.51
CIE LCh	64, 45.606, 266.242
Yxy	32.8480, 0.2064, 0.2229
Android (android.graphics.Color)	4282819052 (0xFF46A1EC)
YUV	142.3410, 46.1739, -63.4431
Hunter-Lab	57.3132, -5.5670, -46.8837

Details

The Yxy color **32.8480, 0.2064, 0.2229** 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 **38.5624, 0.4814, 0.4049**, and the grayscale version is **27.0387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5660, 0.2420, 0.2824**, and **14.4471, 0.1879, 0.1966** is the 20% darker color. If you saturate the color by 10%, you get **28.5643, 0.1957, 0.2051**, and if you desaturate by 10%, it is **37.7970, 0.2191, 0.2407**.

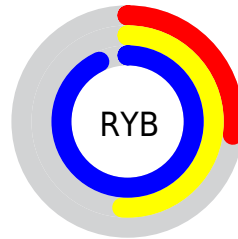
Distribution



Red (27%)

Green (63%)

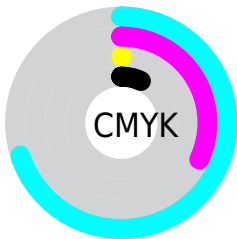
Blue (93%)



Red (27%)

Yellow (51%)

Blue (93%)

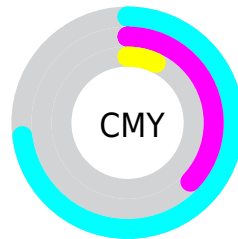


Cyan (70%)

Magenta (32%)

Yellow (0%)

Black (7%)



Cyan (73%)


Magenta (37%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8480, 0.2064, 0.2229 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 32.8480, 0.2064, 0.2229 by changing the saturation by 10% instead.

 32.8480, 0.2064,
0.2229


 32.8480, 0.2064,
0.2229


314.9643, 0.2595,
0.2764


 22.0100, 0.1936,
0.2099


 64.1381, 0.2254,
0.2422

 13.8643, 0.1777,
0.1935


 85.3591, 0.2327,
0.2495

 8.0263, 0.1574,
0.1726


 110.8099, 0.2389,
0.2557

 4.1118, 0.1312,
0.1454

 140.8748, 0.2442,
0.2610

 1.7363, 0.0973,
0.1098

175.9383, 0.2488,
0.2657

 0.4470, 0.0452,
0.0574

216.3848, 0.2528,

 0.0000, 0.0000,

0.2697

0.0000

262.5986, 0.2564,
0.2733

■ 32.8480, 0.2064,
0.2229

■ 32.8480, 0.2064,
0.2229

■ 28.5643, 0.1957,
0.2051

■ 37.7970, 0.2191,
0.2407

■ 24.8916, 0.1872,
0.1878

■ 43.4517, 0.2334,
0.2580

■ 21.8369, 0.1810,
0.1716

■ 49.8522, 0.2487,
0.2745

■ 57.0338, 0.2647,
0.2899

■ 65.0291, 0.2808,
0.3041

■ 73.8688, 0.2967,
0.3171

■ 83.5815, 0.3123,
0.3287

■ 93.4474, 0.3246,
0.3391

■ 98.8368, 0.3238,
0.3473

Harmonies

Analogous

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



32.8480, 0.1885, 0.2493



32.8480, 0.2064, 0.2229



32.8480, 0.2505, 0.2222

Triad

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



32.8480, 0.2064, 0.2229



32.8480, 0.4422, 0.3324



32.8480, 0.2962, 0.4420

Complementary

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



32.8480, 0.2064, 0.2229



38.5624, 0.4814, 0.4049

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.



32.8480, 0.3652, 0.4603



32.8480, 0.2064, 0.2229



32.8480, 0.4538, 0.3859

Square

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



32.8480, 0.2064, 0.2229



32.8480, 0.3894, 0.2825



32.8480, 0.4235, 0.4342



32.8480, 0.2354, 0.3786

Rectangle

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



32.8480, 0.2064, 0.2229



32.8480, 0.2927, 0.2343



32.8480, 0.4235, 0.4342



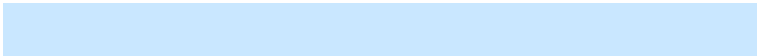
32.8480, 0.3192, 0.4539

Sweetspot

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



32.8491, 0.2064, 0.2229



76.7332, 0.2795, 0.3031



63.3397, 0.2728, 0.4593



15.8418, 0.2751, 0.2992



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.



32.8491, 0.2064, 0.2229



32.1929, 0.1920, 0.1980



12.8660, 0.1791, 0.1128



15.9169, 0.2981, 0.3181



12.2980, 0.1818, 0.1743



1.1575, 0.1882, 0.1975

Inverse Universe

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



24.7993, 0.4146, 0.2379



25.3059, 0.4453, 0.2337



73.6085, 0.4124, 0.4791



15.1922, 0.3207, 0.3162



10.7343, 0.4754, 0.2393



0.8623, 0.4481, 0.2242

Previews

White Background



This preview shows how the Yxy color 32.8480, 0.2064, 0.2229 looks on a white background.

Color Contrast Check

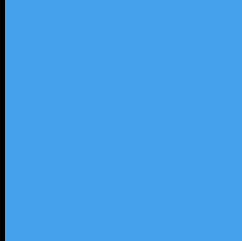
Large Text (above 18pt) WCAG AA × Fail

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 32.8480, 0.2064, 0.2229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

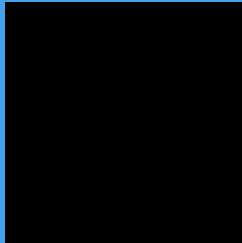
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

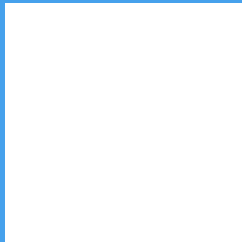
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.8480, 0.2064, 0.2229

Background



This preview shows how black text looks on a background with the Yxy color 32.8480, 0.2064, 0.2229.



This preview shows how white text looks on a background with the Yxy color 32.8480, 0.2064, 0.2229.

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

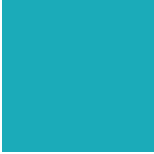
32.8480, 0.2064, 0.2229

Protanopia

32.6471, 0.2359, 0.2256

Deuteranopia

32.7290, 0.2218, 0.2156



Tritanopia

32.8616, 0.2209, 0.3053

Trichromacy



Original Color

32.8480, 0.2064, 0.2229

Protanomaly

32.3380, 0.2226, 0.2235

Deuteranomaly

32.7698, 0.2155, 0.2188

Tritanomaly

32.5107, 0.2138, 0.2703

Monochromacy



Original Color

32.8480, 0.2064, 0.2229

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.3425, 0.2596, 0.2854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8480, 0.2064, 0.2229 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(70, 161, 236)` looks like.

```
.text, #text, p{  
  color:rgb(70, 161, 236)  
}
```

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(70, 161, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 161, 236) }
```

Border

The CSS property to change the border of an element to Yxy 32.8480, 0.2064, 0.2229 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(70, 161, 236) }
```

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

```
.border{ border-color:rgb(70, 161, 236) }
```

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

Here you see how a box with a 4 pixel rgb(70, 161, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 161, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 161, 236);  
box-shadow:4px 4px 4px 4px rgb(70, 161,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8480, 0.2064, 0.2229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 161, 236) }
```

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

```
.background{ background-color: rgb(70, 161,  
236) }
```

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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