

Converting Colors

$Yxy(33.5901, 0.2075, 0.2260)$

Have a look what the booklet for
Yxy(33.5901, 0.2075, 0.2260)
contains.

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Color

Yxy(33.5901, 0.2075, 0.2260)

Conversions

Conversions Part 1

Format	Color
Hex	47A3EC
RGB	71, 163, 236
RGB Percent	28%, 64%, 93%
CMY	0.7210, 0.3608, 0.0746
CMYK	0.70, 0.31, 0.00, 0.07
HSL	207°, 81%, 60%
HSV	207°, 70%, 93%
XYZ	30.8405, 33.5901, 84.1982
YIQ	143.8140, -78.2650, 3.1990

Conversions

Conversions Part 2

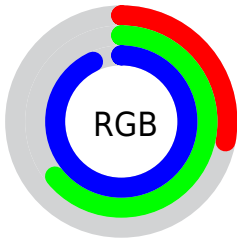
Format	Color
R _Y B	71, 130, 236
Decimal	4695020
CIE Lab	64.64, -3.99, -44.55
CIE LCh	65, 44.724, 264.887
Yxy	33.5901, 0.2075, 0.2260
Android (android.graphics.Color)	4282885100 (0xFF47A3EC)
YUV	143.8140, 45.4477, -63.8579
Hunter-Lab	57.9570, -6.4400, -45.5649

Details

The Yxy color **33.5901, 0.2075, 0.2260** 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 **38.2706, 0.4815, 0.4031**, and the grayscale version is **27.6631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6812, 0.2429, 0.2849**, and **14.8836, 0.1890, 0.2005** is the 20% darker color. If you saturate the color by 10%, you get **29.3054, 0.1968, 0.2086**, and if you desaturate by 10%, it is **38.5300, 0.2202, 0.2434**.

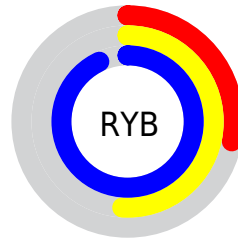
Distribution



Red (28%)

Green (64%)

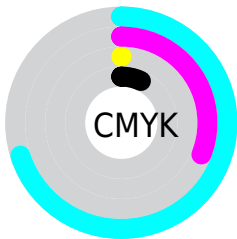
Blue (93%)



Red (28%)

Yellow (51%)

Blue (93%)

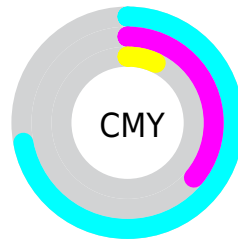


Cyan (70%)

Magenta (31%)

Yellow (0%)

Black (7%)



Cyan (72%)


Magenta (36%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5901, 0.2075, 0.2260 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 33.5901, 0.2075, 0.2260 by changing the saturation by 10% instead.


 33.5901, 0.2075,
0.2260


 33.5901, 0.2075,
0.2260


318.3004, 0.2600,
0.2780


 22.5789, 0.1949,
0.2133


 65.2957, 0.2263,
0.2448


 14.2829, 0.1792,
0.1974


 86.7589, 0.2334,
0.2519

 8.3177, 0.1592,
0.1770


 112.4749, 0.2395,
0.2579

 4.2989, 0.1333,
0.1503

 142.8281, 0.2448,
0.2631

 1.8421, 0.0998,
0.1151

178.2028, 0.2493,
0.2675

 0.5132, 0.0494,
0.0649

218.9835, 0.2533,

 0.0000, 0.0000,

0.2715

0.0000

265.5546, 0.2568,
0.2749

■ 33.5901, 0.2075,
0.2260

■ 33.5901, 0.2075,
0.2260

■ 29.3054, 0.1968,
0.2086

■ 38.5300, 0.2202,
0.2434

■ 25.6226, 0.1884,
0.1915

■ 44.1648, 0.2344,
0.2602

■ 22.4639, 0.1820,
0.1751

■ 50.5337, 0.2496,
0.2763

■ 22.4204, 0.1819,
0.1749

■ 57.6716, 0.2655,
0.2914

■ 65.6106, 0.2815,
0.3052

■ 74.3806, 0.2974,
0.3178

■ 84.0100, 0.3129,
0.3292

■ 93.5800, 0.3246,
0.3393

■ 98.8349, 0.3238,
0.3474

Harmonies

Analogous

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



33.5901, 0.1911, 0.2532



33.5901, 0.2075, 0.2260



33.5901, 0.2496, 0.2242

Triad

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



33.5901, 0.2075, 0.2260



33.5901, 0.4372, 0.3303



33.5901, 0.2999, 0.4405

Complementary

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



33.5901, 0.2075, 0.2260



38.2706, 0.4815, 0.4031

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.



33.5901, 0.3671, 0.4564



33.5901, 0.2075, 0.2260



33.5901, 0.4506, 0.3827

Square

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



33.5901, 0.2075, 0.2260



33.5901, 0.3844, 0.2817



33.5901, 0.4230, 0.4301



33.5901, 0.2397, 0.3806

Rectangle

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



33.5901, 0.2075, 0.2260



33.5901, 0.2903, 0.2353



33.5901, 0.4230, 0.4301



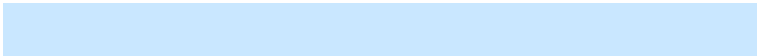
33.5901, 0.3224, 0.4514

Sweetspot

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



33.5912, 0.2075, 0.2260



77.0139, 0.2796, 0.3036



63.2938, 0.2741, 0.4624



15.9086, 0.2751, 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.



33.5912, 0.2075, 0.2260



32.8836, 0.1927, 0.2008



13.4537, 0.1805, 0.1169



15.9411, 0.2981, 0.3183



12.6234, 0.1827, 0.1775



1.1826, 0.1890, 0.2004

Inverse Universe

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



24.9974, 0.4114, 0.2366



25.3757, 0.4421, 0.2319



72.1308, 0.4138, 0.4765



15.1946, 0.3206, 0.3159



10.7671, 0.4715, 0.2371



0.8648, 0.4449, 0.2224

Previews

White Background



This preview shows how the Yxy color 33.5901, 0.2075, 0.2260 looks on a white background.

Color Contrast Check

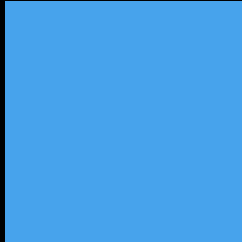
Large Text (above 18pt) WCAG AA × Fail

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 33.5901, 0.2075, 0.2260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

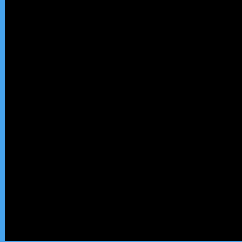
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

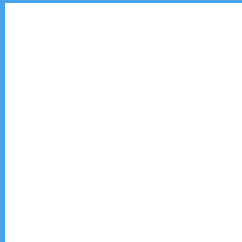
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.5901, 0.2075, 0.2260

Background



This preview shows how black text looks on a background with the Yxy color 33.5901, 0.2075, 0.2260.



This preview shows how white text looks on a background with the Yxy color 33.5901, 0.2075, 0.2260.

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

33.5901, 0.2075, 0.2260

Protanopia

33.2092, 0.2381, 0.2276

Deuteranopia

33.3287, 0.2243, 0.2176



Tritanopia

33.7821, 0.2217, 0.3056

Trichromacy



Original Color

33.5901, 0.2075, 0.2260

Protanomaly

33.1347, 0.2243, 0.2267

Deuteranomaly

33.2775, 0.2172, 0.2206

Tritanomaly

33.3646, 0.2150, 0.2723

Monochromacy



Original Color

33.5901, 0.2075, 0.2260

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.1591, 0.2609, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5901, 0.2075, 0.2260 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(71, 163, 236)` looks like.

```
.text, #text, p{  
    color:rgb(71, 163, 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(71, 163, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 163, 236) }
```

Border

The CSS property to change the border of an element to Yxy 33.5901, 0.2075, 0.2260 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(71, 163, 236) }
```

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

```
.border{ border-color:rgb(71, 163, 236) }
```

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

Here you see how a box with a 4 pixel rgb(71, 163, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 163, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 163, 236);  
box-shadow:4px 4px 4px 4px rgb(71, 163,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5901, 0.2075, 0.2260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 163, 236) }
```

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

```
.background{ background-color: rgb(71, 163,  
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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