

Converting Colors

$Yxy(33.0333, 0.2034, 0.2260)$

Have a look what the booklet for
Yxy(33.0333, 0.2034, 0.2260)
contains.

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Color

Yxy(33.0333, 0.2034, 0.2260)

Conversions

Conversions Part 1

Format	Color
Hex	38A3EB
RGB	56, 163, 235
RGB Percent	22%, 64%, 92%
CMY	0.7797, 0.3608, 0.0785
CMYK	0.76, 0.31, 0.00, 0.08
HSL	204°, 82%, 57%
HSV	204°, 76%, 92%
XYZ	29.7300, 33.0333, 83.4018
YIQ	139.2150, -86.8840, -0.2920

Conversions

Conversions Part 2

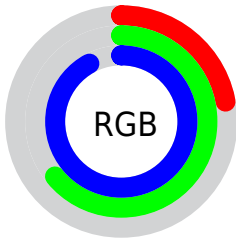
Format	Color
R _Y B	56, 123, 235
Decimal	3711979
CIE Lab	64.19, -6.23, -44.74
CIE LCh	64, 45.170, 262.073
Yxy	33.0333, 0.2034, 0.2260
Android (android.graphics.Color)	4281902059 (0xFF38A3EB)
YUV	139.2150, 47.2220, -72.9796
Hunter-Lab	57.4746, -8.2476, -45.8039

Details

The Yxy color **33.0333, 0.2034, 0.2260** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **33.4374, 0.5078, 0.3975**, and the grayscale version is **25.7652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8748, 0.2384, 0.2844**, and **14.8430, 0.1894, 0.2018** is the 20% darker color. If you saturate the color by 10%, you get **29.2709, 0.1946, 0.2103**, and if you desaturate by 10%, it is **37.3671, 0.2143, 0.2418**.

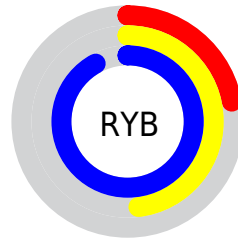
Distribution



Red (22%)

Green (64%)

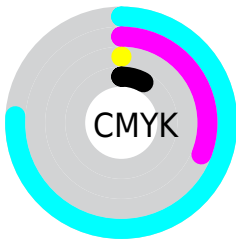
Blue (92%)



Red (22%)

Yellow (48%)

Blue (92%)

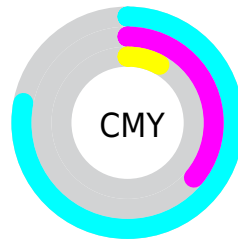


Cyan (76%)

Magenta (31%)

Yellow (0%)

Black (8%)



Cyan (78%)

Magenta (36%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0333, 0.2034, 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 33.0333, 0.2034, 0.2260 by changing the saturation by 10% instead.

■ 33.0333, 0.2034,
0.2260

■ 33.0333, 0.2034,
0.2260

■ 315.7998, 0.2578,
0.2783

■ 22.1520, 0.1904,
0.2132

■ 64.4275, 0.2229,
0.2449

■ 13.9686, 0.1741,
0.1970

■ 85.7092, 0.2303,
0.2521

■ 8.0988, 0.1535,
0.1763

■ 111.2264, 0.2366,
0.2581

■ 4.1583, 0.1270,
0.1492

■ 141.3636, 0.2420,
0.2633

■ 1.7625, 0.0930,
0.1134

■ 176.5051, 0.2468,
0.2678

■ 0.4636, 0.0380,
0.0610

217.0354, 0.2509,

■ 0.0000, 0.0000,

0.2718

0.0000

263.3388, 0.2546,
0.2752

■ 33.0333, 0.2034,
0.2260

■ 33.0333, 0.2034,
0.2260

■ 29.2709, 0.1946,
0.2103

■ 37.3671, 0.2143,
0.2418

■ 26.0225, 0.1881,
0.1951

■ 42.3136, 0.2270,
0.2573

■ 24.8600, 0.1859,
0.1892

■ 47.9127, 0.2411,
0.2723

■ 54.1990, 0.2562,
0.2865

■ 61.2043, 0.2718,
0.2997

■ 68.9579, 0.2876,
0.3119

■ 77.4873, 0.3033,
0.3229

■ 86.8182, 0.3186,
0.3327

■ 94.4900, 0.3250,
0.3418

Harmonies

Analogous

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



33.0333, 0.1893, 0.2560



33.0333, 0.2034, 0.2260



33.0333, 0.2436, 0.2220

Triad

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



33.0333, 0.2034, 0.2260



33.0333, 0.4356, 0.3253



33.0333, 0.3059, 0.4461

Complementary

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



33.0333, 0.2034, 0.2260



33.4374, 0.5078, 0.3975

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.



33.0333, 0.3738, 0.4574



33.0333, 0.2034, 0.2260



33.0333, 0.4533, 0.3783

Square

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



33.0333, 0.2034, 0.2260



33.0333, 0.3791, 0.2768



33.0333, 0.4286, 0.4274



33.0333, 0.2435, 0.3883

Rectangle

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



33.0333, 0.2034, 0.2260



33.0333, 0.2836, 0.2319



33.0333, 0.4286, 0.4274



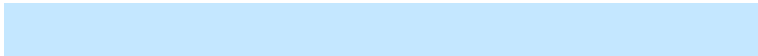
33.0333, 0.3289, 0.4555

Sweetspot

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



33.0344, 0.2034, 0.2260



76.3684, 0.2765, 0.3035



61.8107, 0.2764, 0.4850



15.6482, 0.2708, 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.



33.0344, 0.2034, 0.2260



33.0851, 0.1909, 0.2021



11.7506, 0.1724, 0.1062



16.0452, 0.2981, 0.3193



14.0931, 0.1866, 0.1916



1.2944, 0.1924, 0.2126

Inverse Universe

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



23.1517, 0.4133, 0.2262



24.4636, 0.4420, 0.2251



67.6332, 0.4239, 0.4793



15.2051, 0.3200, 0.3150



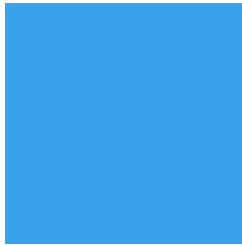
10.9155, 0.4549, 0.2280



0.8761, 0.4313, 0.2149

Previews

White Background



This preview shows how the Yxy color 33.0333, 0.2034, 0.2260 looks on a white background.

Color Contrast Check

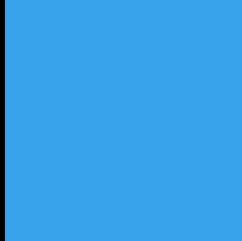
Large Text (above 18pt) WCAG AA × Fail

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 33.0333, 0.2034, 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

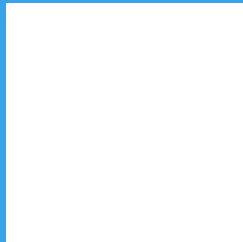
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.0333, 0.2034, 0.2260

Background



This preview shows how black text looks on a background with the Yxy color 33.0333, 0.2034, 0.2260.



This preview shows how white text looks on a background with the Yxy color 33.0333, 0.2034, 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

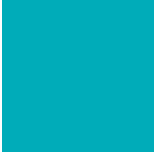
33.0333, 0.2034, 0.2260

Protanopia

32.6933, 0.2384, 0.2281

Deuteranopia

32.7363, 0.2228, 0.2167



Tritanopia

33.0078, 0.2186, 0.3069

Trichromacy



Original Color

33.0333, 0.2034, 0.2260

Protanomaly

32.3176, 0.2217, 0.2266

Deuteranomaly

32.4454, 0.2136, 0.2192

Tritanomaly

32.8365, 0.2112, 0.2746

Monochromacy



Original Color

33.0333, 0.2034, 0.2260

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.4870, 0.2554, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0333, 0.2034, 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(56, 163, 235)` looks like.

```
.text, #text, p{  
    color:rgb(56, 163, 235)  
}
```

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(56, 163, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 163, 235) }
```

Border

The CSS property to change the border of an element to Yxy 33.0333, 0.2034, 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(56, 163, 235) }
```

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

```
.border{ border-color:rgb(56, 163, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 163, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 163, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 163, 235);  
box-shadow:4px 4px 4px 4px rgb(56, 163,  
235) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 33.0333, 0.2034, 0.2260$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 163, 235) }
```

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

```
.background{ background-color: rgb(56, 163,  
235) }
```

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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