

Converting Colors

$Yxy(36.8333, 0.2036, 0.2253)$

Have a look what the booklet for
Yxy(36.8333, 0.2036, 0.2253)
contains.

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Color

Yxy(36.8333, 0.2036, 0.2253)

Conversions

Conversions Part 1

Format	Color
Hex	3DABF7
RGB	61, 171, 247
RGB Percent	24%, 67%, 97%
CMY	0.7601, 0.3295, 0.0313
CMYK	0.75, 0.31, 0.00, 0.03
HSL	205°, 92%, 60%
HSV	205°, 75%, 97%
XYZ	33.2857, 36.8333, 93.3666
YIQ	146.7740, -89.9560, 0.3160

Conversions

Conversions Part 2

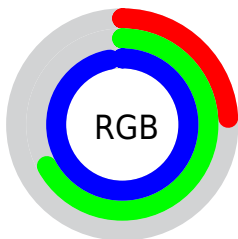
Format	Color
R _Y B	61, 130, 247
Decimal	4041719
CIE Lab	67.15, -5.98, -46.64
CIE LCh	67, 47.026, 262.694
Yxy	36.8333, 0.2036, 0.2253
Android (android.graphics.Color)	4282231799 (0xFF3DABF7)
YUV	146.7740, 49.4114, -75.2238
Hunter-Lab	60.6904, -8.3100, -48.7288

Details

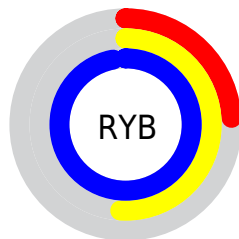
The Yxy color **36.8333, 0.2036, 0.2253** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **38.0681, 0.5046, 0.3986**, and the grayscale version is **28.9195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5182, 0.2425, 0.2945**, and **16.9114, 0.1893, 0.2015** is the 20% darker color. If you saturate the color by 10%, you get **32.5476, 0.1946, 0.2093**, and if you desaturate by 10%, it is **41.7743, 0.2147, 0.2414**.

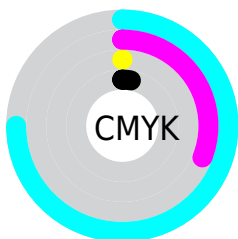
Distribution



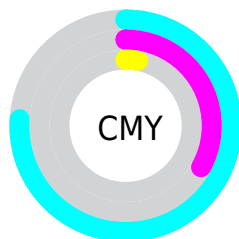
- Red (24%)
- Green (67%)
- Blue (97%)



- Red (24%)
- Yellow (51%)
- Blue (97%)



- Cyan (75%)
- Magenta (31%)
- Yellow (0%)
- Black (3%)





- Cyan (76%)
- Magenta (33%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8333, 0.2036, 0.2253 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 36.8333, 0.2036, 0.2253 by changing the saturation by 10% instead.


 36.8333, 0.2036,
0.2253


 36.8333, 0.2036,
0.2253


332.5882, 0.2569,
0.2769

 25.0784, 0.1911,
0.2129


 70.3163, 0.2225,
0.2438

 16.1355, 0.1756,
0.1975


 92.8133, 0.2297,
0.2508

 9.6201, 0.1562,
0.1780


 119.6597, 0.2359,
0.2568

 5.1478, 0.1315,
0.1527

 151.2401, 0.2413,
0.2619

 2.3342, 0.1000,
0.1197

187.9387, 0.2459,
0.2664

 0.7917, 0.0593,
0.0774

230.1400, 0.2501,

 0.0000, 0.0000,

0.2704

0.0000

278.2284, 0.2537,
0.2738

■ 36.8333, 0.2036,
0.2253

■ 36.8333, 0.2036,
0.2253

■ 32.5476, 0.1946,
0.2093

■ 41.7743, 0.2147,
0.2414

■ 28.8532, 0.1878,
0.1937

■ 47.4170, 0.2277,
0.2572

■ 27.2609, 0.1851,
0.1865

■ 53.8063, 0.2420,
0.2725

■ 60.9815, 0.2572,
0.2869

■ 68.9784, 0.2730,
0.3003

■ 77.8302, 0.2889,
0.3125

■ 87.5680, 0.3046,
0.3237

■ 97.4949, 0.3175,
0.3336

■ 99.4967, 0.3173,
0.3366

Harmonies

Analogous

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



36.8333, 0.1889, 0.2548



36.8333, 0.2036, 0.2253



36.8333, 0.2445, 0.2218

Triad

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



36.8333, 0.2036, 0.2253



36.8333, 0.4369, 0.3263



36.8333, 0.3045, 0.4459

Complementary

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



36.8333, 0.2036, 0.2253



38.0681, 0.5046, 0.3986

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.



36.8333, 0.3726, 0.4582



36.8333, 0.2036, 0.2253



36.8333, 0.4537, 0.3795

Square

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



36.8333, 0.2036, 0.2253



36.8333, 0.3808, 0.2776



36.8333, 0.4281, 0.4286



36.8333, 0.2421, 0.3870

Rectangle

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



36.8333, 0.2036, 0.2253



36.8333, 0.2849, 0.2321



36.8333, 0.4281, 0.4286



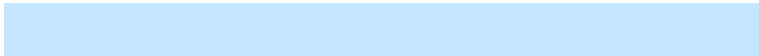
36.8333, 0.3275, 0.4557

Sweetspot

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



36.8345, 0.2036, 0.2253



76.1570, 0.2765, 0.3031



69.2955, 0.2764, 0.4835



15.5970, 0.2708, 0.2984



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.



36.8345, 0.2036, 0.2253



32.9591, 0.1910, 0.2016



13.4166, 0.1734, 0.1078



17.5545, 0.2980, 0.3191



14.7012, 0.1859, 0.1890



1.4940, 0.1912, 0.2083

Inverse Universe

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



26.0738, 0.4138, 0.2277



24.5537, 0.4425, 0.2262



75.8436, 0.4233, 0.4786



16.6469, 0.3201, 0.3151



11.5835, 0.4579, 0.2296



1.0385, 0.4360, 0.2175

Previews

White Background



This preview shows how the Yxy color 36.8333, 0.2036, 0.2253 looks on a white background.

Color Contrast Check

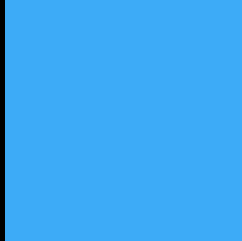
Large Text (above 18pt) WCAG AA × Fail

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 36.8333, 0.2036, 0.2253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

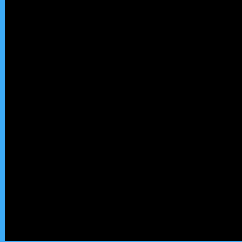
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

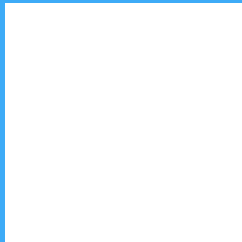
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.8333, 0.2036, 0.2253

Background



This preview shows how black text looks on a background with the Yxy color 36.8333, 0.2036, 0.2253.



This preview shows how white text looks on a background with the Yxy color 36.8333, 0.2036, 0.2253.

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

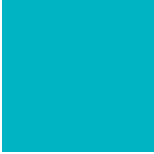
36.8333, 0.2036, 0.2253

Protanopia

36.6330, 0.2382, 0.2277

Deuteranopia

36.6022, 0.2227, 0.2167



Tritanopia

36.5826, 0.2180, 0.3047

Trichromacy



Original Color

36.8333, 0.2036, 0.2253

Protanomaly

36.1530, 0.2217, 0.2260

Deuteranomaly

36.2842, 0.2139, 0.2190

Tritanomaly

36.4699, 0.2106, 0.2725

Monochromacy



Original Color

36.8333, 0.2036, 0.2253

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.9088, 0.2563, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8333, 0.2036, 0.2253 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(61, 171, 247)` looks like.

```
.text, #text, p{  
    color:rgb(61, 171, 247)  
}
```

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(61, 171, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 171, 247) }
```

Border

The CSS property to change the border of an element to Yxy 36.8333, 0.2036, 0.2253 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(61, 171, 247) }
```

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

```
.border{ border-color:rgb(61, 171, 247) }
```

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

Here you see how a box with a 4 pixel rgb(61, 171, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 171, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 171, 247);  
box-shadow:4px 4px 4px 4px rgb(61, 171,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8333, 0.2036, 0.2253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 171, 247) }
```

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

```
.background{ background-color: rgb(61, 171,  
247) }
```

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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