

Converting Colors

$Y_{xy}(37.1335, 0.2153, 0.2310)$

Have a look what the booklet for
Yxy(37.1335, 0.2153, 0.2310)
contains.

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Color

Yxy(37.0621, 0.2151, 0.2302)

Conversions

Conversions Part 1

Format	Color
Hex	5CA9F2
RGB	92, 169, 242
RGB Percent	36%, 66%, 95%
CMY	0.6388, 0.3373, 0.0511
CMYK	0.62, 0.30, 0.00, 0.05
HSL	209°, 85%, 66%
HSV	209°, 62%, 95%
XYZ	34.6310, 37.0621, 89.3065
YIQ	154.2990, -69.3250, 6.3790

Conversions

Conversions Part 2

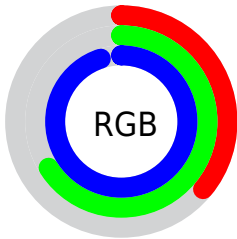
Format	Color
R _{YB}	92, 143, 242
Decimal	6072818
CIE Lab	67.32, -2.04, -43.55
CIE LCh	67, 43.600, 267.325
Yxy	37.0621, 0.2151, 0.2302
Android (android.graphics.Color)	4284262898 (0xFF5CA9F2)
YUV	154.2990, 43.2366, -54.6362
Hunter-Lab	60.8786, -4.9974, -44.3609

Details

The Yxy color **37.0621, 0.2151, 0.2302** 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 **46.5799, 0.4523, 0.4051**, and the grayscale version is **32.2923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4013, 0.2523, 0.2931**, and **16.2254, 0.1900, 0.2039** is the 20% darker color. If you saturate the color by 10%, you get **31.8207, 0.2022, 0.2110**, and if you desaturate by 10%, it is **43.0989, 0.2297, 0.2491**.

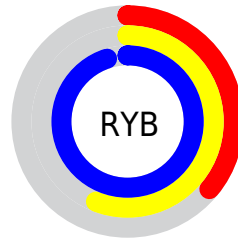
Distribution



Red (36%)

Green (66%)

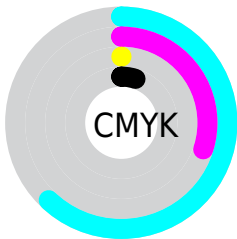
Blue (95%)



Red (36%)

Yellow (56%)

Blue (95%)

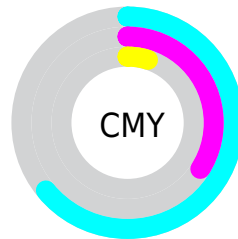


Cyan (62%)

Magenta (30%)

Yellow (0%)

Black (5%)



Cyan (64%)


Magenta (34%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0621, 0.2151, 0.2302 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 37.0621, 0.2151, 0.2302 by changing the saturation by 10% instead.


 37.0621, 0.2151,
0.2302


 37.0621, 0.2151,
0.2302


333.5793, 0.2633,
0.2793


 25.2556, 0.2036,
0.2184


 70.6683, 0.2323,
0.2478


 16.2676, 0.1893,
0.2037


 93.2367, 0.2388,
0.2545

 9.7137, 0.1710,
0.1848


 120.1613, 0.2444,
0.2602

 5.2095, 0.1474,
0.1603

 151.8263, 0.2493,
0.2651

 2.3707, 0.1163,
0.1278

188.6163, 0.2535,
0.2693

 0.8108, 0.0756,
0.0851

230.9155, 0.2571,

 0.0000, 0.0000,

0.2731

0.0000

279.1083, 0.2604,
0.2764

■ 37.0621, 0.2151,
0.2302

■ 37.0621, 0.2151,
0.2302

■ 31.8207, 0.2022,
0.2110

■ 43.0989, 0.2297,
0.2491

■ 27.3213, 0.1913,
0.1919

■ 49.9716, 0.2453,
0.2671

■ 23.5067, 0.1829,
0.1735

■ 57.7216, 0.2616,
0.2841

■ 20.8633, 0.1776,
0.1594

■ 66.3859, 0.2779,
0.2997

■ 75.9993, 0.2941,
0.3139

86.5942, 0.3098,
0.3267

96.9533, 0.3206,
0.3382

99.1888, 0.3203,
0.3415

Harmonies

Analogous

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



37.0621, 0.1973, 0.2544



37.0621, 0.2151, 0.2302



37.0621, 0.2573, 0.2301

Triad

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



37.0621, 0.2151, 0.2302



37.0621, 0.4327, 0.3348



37.0621, 0.2959, 0.4302

Complementary

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



37.0621, 0.2151, 0.2302



46.5799, 0.4523, 0.4051

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.



37.0621, 0.3598, 0.4495



37.0621, 0.2151, 0.2302



37.0621, 0.4424, 0.3847

Square

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



37.0621, 0.2151, 0.2302



37.0621, 0.3855, 0.2877



37.0621, 0.4140, 0.4282



37.0621, 0.2399, 0.3720

Rectangle

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



37.0621, 0.2151, 0.2302



37.0621, 0.2969, 0.2417



37.0621, 0.4140, 0.4282



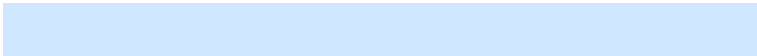
37.0621, 0.3172, 0.4418

Sweetspot

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



37.0634, 0.2151, 0.2302



77.8024, 0.2826, 0.3040



68.4647, 0.2721, 0.4341



16.0116, 0.2780, 0.2997



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.



37.0634, 0.2151, 0.2302



34.6271, 0.1995, 0.2066



16.8002, 0.1926, 0.1320



16.5700, 0.2980, 0.3172



11.4862, 0.1784, 0.1622



1.1548, 0.1849, 0.1856

Inverse Universe

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



29.4065, 0.4044, 0.2498



27.8404, 0.4328, 0.2418



81.6541, 0.4010, 0.4708



15.8943, 0.3213, 0.3169



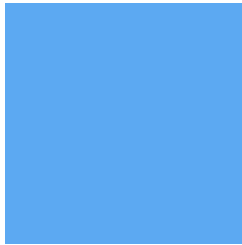
10.9529, 0.4903, 0.2475



0.9313, 0.4619, 0.2318

Previews

White Background



This preview shows how the Yxy color 37.0621, 0.2151, 0.2302 looks on a white background.

Color Contrast Check

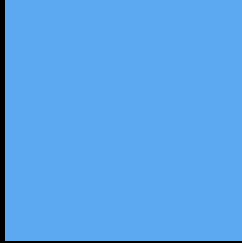
Large Text (above 18pt) WCAG AA × Fail

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 37.0621, 0.2151, 0.2302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

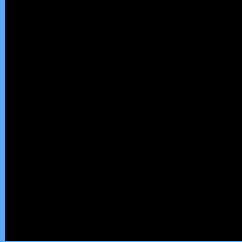
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

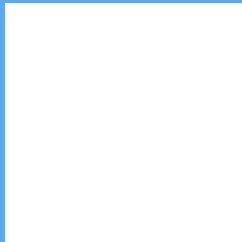
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.0621, 0.2151, 0.2302

Background



This preview shows how black text looks on a background with the Yxy color 37.0621, 0.2151, 0.2302.



This preview shows how white text looks on a background with the Yxy color 37.0621, 0.2151, 0.2302.

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

37.0621, 0.2151, 0.2302

Protanopia

36.6287, 0.2411, 0.2311

Deuteranopia

36.8843, 0.2295, 0.2227



Tritanopia

36.9200, 0.2309, 0.3052

Trichromacy



Original Color

37.0621, 0.2151, 0.2302

Protanomaly

36.5050, 0.2298, 0.2295

Deuteranomaly

36.9587, 0.2236, 0.2260

Tritanomaly

36.9409, 0.2246, 0.2751

Monochromacy



Original Color

37.0621, 0.2151, 0.2302

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.1667, 0.2662, 0.2883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0621, 0.2151, 0.2302 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(92, 169, 242)` looks like.

```
.text, #text, p{  
    color:rgb(92, 169, 242)  
}
```

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(92, 169, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 169, 242) }
```

Border

The CSS property to change the border of an element to Yxy 37.0621, 0.2151, 0.2302 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(92, 169, 242) }
```

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

```
.border{ border-color:rgb(92, 169, 242) }
```

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

Here you see how a box with a 4 pixel rgb(92, 169, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 169, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 169, 242);  
box-shadow:4px 4px 4px 4px rgb(92, 169,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0621, 0.2151, 0.2302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 169, 242) }
```

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

```
.background{ background-color: rgb(92, 169,  
242) }
```

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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