

Converting Colors

$Y_{xy}(42.1791, 0.2220, 0.2514)$

Have a look what the booklet for
Yxy(42.1791, 0.2220, 0.2514)
contains.

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Color

Yxy(42.2340, 0.2217, 0.2512)

Conversions

Conversions Part 1

Format	Color
Hex	60B6F0
RGB	96, 182, 240
RGB Percent	38%, 71%, 94%
CMY	0.6238, 0.2862, 0.0588
CMYK	0.60, 0.24, 0.00, 0.06
HSL	204°, 83%, 66%
HSV	204°, 60%, 94%
XYZ	37.2742, 42.2340, 88.6208
YIQ	162.8980, -69.8740, -0.1940

Conversions

Conversions Part 2

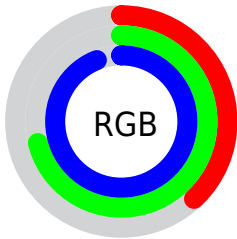
Format	Color
R _Y B	96, 150, 240
Decimal	6338288
CIE Lab	71.03, -9.16, -36.68
CIE LCh	71, 37.804, 255.984
Yxy	42.2340, 0.2217, 0.2512
Android (android.graphics.Color)	4284528368 (0xFF60B6F0)
YUV	162.8980, 38.0113, -58.6695
Hunter-Lab	64.9877, -11.3484, -35.3597

Details

The Yxy color **42.2340, 0.2217, 0.2512** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.4543, 0.4563, 0.3907**, and the grayscale version is **36.4118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5372, 0.2563, 0.3096**, and **19.2394, 0.1981, 0.2288** is the 20% darker color. If you saturate the color by 10%, you get **37.3057, 0.2097, 0.2355**, and if you desaturate by 10%, it is **47.8354, 0.2353, 0.2665**.

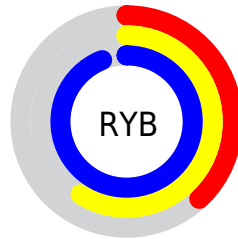
Distribution



Red (38%)

Green (71%)

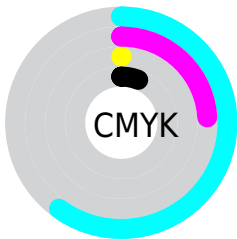
Blue (94%)



Red (38%)

Yellow (59%)

Blue (94%)

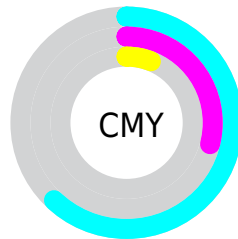


Cyan (60%)

Magenta (24%)

Yellow (0%)

Black (6%)



Cyan (62%)

Magenta (29%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2340, 0.2217, 0.2512 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 42.2340, 0.2217, 0.2512 by changing the saturation by 10% instead.

■ 42.2340, 0.2217,
0.2512

■ 42.2340, 0.2217,
0.2512

■ 355.4520, 0.2659,
0.2901

■ 29.2846, 0.2113,
0.2417

■ 78.5537, 0.2374,
0.2652

■ 19.2962, 0.1983,
0.2298

■ 102.6927, 0.2434,
0.2705

■ 11.8845, 0.1818,
0.2143

■ 131.3303, 0.2485,
0.2750

■ 6.6651, 0.1603,
0.1937

■ 164.8510, 0.2529,
0.2789

■ 3.2535, 0.1317,
0.1654

■ 203.6391, 0.2568,
0.2822

■ 1.2655, 0.0935,
0.1257

■ 248.0791, 0.2602,

■ 0.1142, 0.0000,

0.2852

0.0283

298.5552, 0.2632,
0.2878

0.0000, 0.0000,
0.0000

42.2340, 0.2217,
0.2512

42.2340, 0.2217,
0.2512

37.3057, 0.2097,
0.2355

47.8354, 0.2353,
0.2665

33.0031, 0.1996,
0.2197

54.1434, 0.2501,
0.2810


29.2774, 0.1917,
0.2041

61.1940, 0.2656,
0.2946


26.0545, 0.1859,
0.1891

69.0192, 0.2814,
0.3072

77.6484, 0.2972,
0.3187

 87.1096, 0.3127,
0.3290

 95.6941, 0.3219,
0.3383

 99.0710, 0.3214,
0.3434

Harmonies

Analogous

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



42.2340, 0.2148, 0.2810



42.2340, 0.2217, 0.2512



42.2340, 0.2505, 0.2428

Triad

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



42.2340, 0.2217, 0.2512



42.2340, 0.4005, 0.3193



42.2340, 0.3201, 0.4220

Complementary

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



42.2340, 0.2217, 0.2512



42.4543, 0.4563, 0.3907

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.



42.2340, 0.3721, 0.4260



42.2340, 0.2217, 0.2512



42.2340, 0.4216, 0.3620

Square

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



42.2340, 0.2217, 0.2512



42.2340, 0.3534, 0.2811



42.2340, 0.4101, 0.4014



42.2340, 0.2685, 0.3847

Rectangle

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



42.2340, 0.2217, 0.2512



42.2340, 0.2803, 0.2482



42.2340, 0.4101, 0.4014



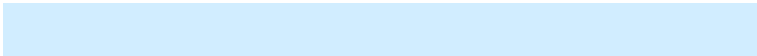
42.2340, 0.3381, 0.4272

Sweetspot

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



42.2355, 0.2217, 0.2512



81.0834, 0.2845, 0.3096



67.1195, 0.2784, 0.4474



16.7626, 0.2799, 0.3061



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.



42.2355, 0.2217, 0.2512



41.6628, 0.2073, 0.2320



20.0016, 0.1996, 0.1526



16.7995, 0.2980, 0.3193



14.5309, 0.1865, 0.1915



1.4033, 0.1921, 0.2115

Inverse Universe

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



30.2575, 0.3843, 0.2395



29.1578, 0.4062, 0.2283



73.5377, 0.4058, 0.4582



15.9174, 0.3200, 0.3150



11.2603, 0.4550, 0.2280



0.9564, 0.4325, 0.2156

Previews

White Background



This preview shows how the Yxy color 42.2340, 0.2217, 0.2512 looks on a white background.

Color Contrast Check

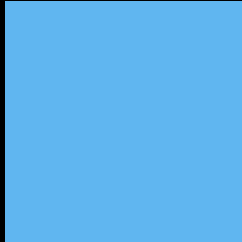
Large Text (above 18pt) WCAG AA × Fail

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 42.2340, 0.2217, 0.2512 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

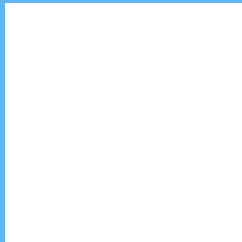
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2340, 0.2217, 0.2512

Background



This preview shows how black text looks on a background with the Yxy color 42.2340, 0.2217, 0.2512.



This preview shows how white text looks on a background with the Yxy color 42.2340, 0.2217, 0.2512.

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

42.2340, 0.2217, 0.2512

Protanopia

41.9633, 0.2570, 0.2526

Deuteranopia

41.9262, 0.2460, 0.2399



Tritanopia

42.4603, 0.2340, 0.3066

Trichromacy



Original Color

42.2340, 0.2217, 0.2512

Protanomaly

41.6688, 0.2418, 0.2518

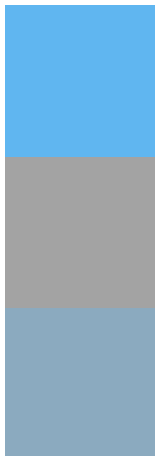
Deuteranomaly

41.7566, 0.2359, 0.2437

Tritanomaly

42.1060, 0.2292, 0.2845

Monochromacy



Original Color

42.2340, 0.2217, 0.2512

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.0000, 0.2706, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2340, 0.2217, 0.2512 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(96, 182, 240)` looks like.

```
.text, #text, p{  
    color:rgb(96, 182, 240)  
}
```

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(96, 182, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 182, 240) }
```

Border

The CSS property to change the border of an element to Yxy 42.2340, 0.2217, 0.2512 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(96, 182, 240) }
```

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

```
.border{ border-color:rgb(96, 182, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 182, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 182, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 182, 240);  
box-shadow:4px 4px 4px 4px rgb(96, 182,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2340, 0.2217, 0.2512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 182, 240) }
```

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

```
.background{ background-color: rgb(96, 182,  
240) }
```

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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