

Converting Colors

$Y_{xy}(42.4217, 0.2172, 0.2320)$

Have a look what the booklet for
Yxy(42.4217, 0.2172, 0.2320)
contains.

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Color

Yxy(42.2850, 0.2171, 0.2316)

Conversions

Conversions Part 1

Format	Color
Hex	66B3FF
RGB	102, 179, 255
RGB Percent	40%, 70%, 100%
CMY	0.6003, 0.2980, 0.0001
CMYK	0.60, 0.30, 0.00, 0.00
HSL	210°, 100%, 70%
HSV	210°, 60%, 100%
XYZ	39.6376, 42.2850, 100.6551
YIQ	164.6410, -70.2880, 7.3120

Conversions

Conversions Part 2

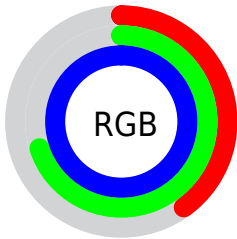
Format	Color
R_{YB}	102, 153, 255
Decimal	6730751
CIE _{Lab}	71.07, -1.73, -44.71
CIE _{LCh}	71, 44.748, 267.785
Yxy	42.2850, 0.2171, 0.2316
Android (android.graphics.Color)	4284920831 (0xFF66B3FF)
YUV	164.6410, 44.5470, -54.9362
Hunter-Lab	65.0269, -4.9912, -46.2561

Details

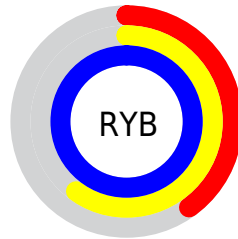
The Yxy color **42.2850, 0.2171, 0.2316** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **53.9977, 0.4463, 0.4049**, and the grayscale version is **37.2454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4232, 0.2588, 0.3063**, and **19.4265, 0.1932, 0.2072** is the 20% darker color. If you saturate the color by 10%, you get **36.1786, 0.2037, 0.2120**, and if you desaturate by 10%, it is **49.3175, 0.2321, 0.2508**.

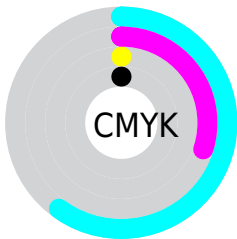
Distribution



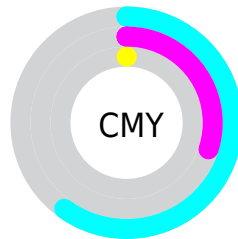
- Red (40%)
- Green (70%)
- Blue (100%)



- Red (40%)
- Yellow (60%)
- Blue (100%)



- Cyan (60%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2850, 0.2171, 0.2316 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 42.2850, 0.2171, 0.2316 by changing the saturation by 10% instead.


 42.2850, 0.2171,
0.2316


 42.2850, 0.2171,
0.2316


355.6630, 0.2633,
0.2790


 29.3245, 0.2063,
0.2205


 78.6308, 0.2334,
0.2483

 19.3265, 0.1930,
0.2067


 102.7849, 0.2397,
0.2548

 11.9064, 0.1762,
0.1894


 131.4389, 0.2450,
0.2603

 6.6800, 0.1547,
0.1670

164.9774, 0.2497,
0.2650

 3.2628, 0.1266,
0.1376

203.7847, 0.2538,
0.2692

 1.2704, 0.0901,
0.0992

248.2451, 0.2573,

 0.1181, 0.0122,

0.2728

0.0206

298.7431, 0.2605,
0.2761

0.0000, 0.0000,
0.0000

42.2850, 0.2171,
0.2316

42.2850, 0.2171,
0.2316

36.1786, 0.2037,
0.2120

49.3175, 0.2321,
0.2508

30.9378, 0.1923,
0.1924

57.3217, 0.2480,
0.2691

26.4992, 0.1833,
0.1735

66.3447, 0.2645,
0.2862

22.7746, 0.1766,
0.1558

76.4287, 0.2809,
0.3019

87.6132, 0.2971,
0.3162

99.9352, 0.3127,
0.3290

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



42.2850, 0.1992, 0.2552



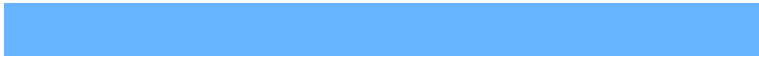
42.2850, 0.2171, 0.2316



42.2850, 0.2591, 0.2317

Triad

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



42.2850, 0.2171, 0.2316



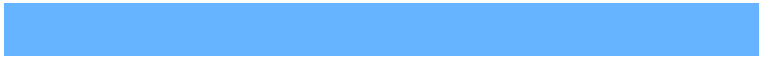
42.2850, 0.4310, 0.3357



42.2850, 0.2954, 0.4276

Complementary

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



42.2850, 0.2171, 0.2316



53.9977, 0.4463, 0.4049

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.



42.2850, 0.3582, 0.4474



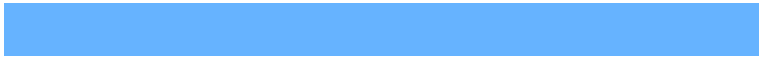
42.2850, 0.2171, 0.2316



42.2850, 0.4400, 0.3848

Square

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



42.2850, 0.2171, 0.2316



42.2850, 0.3851, 0.2891



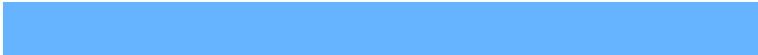
42.2850, 0.4117, 0.4272



42.2850, 0.2405, 0.3702

Rectangle

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



42.2850, 0.2171, 0.2316



42.2850, 0.2982, 0.2434



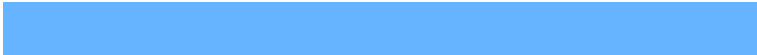
42.2850, 0.4117, 0.4272



42.2850, 0.3163, 0.4392

Sweetspot

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



42.2865, 0.2171, 0.2316



78.6293, 0.2843, 0.3049



77.4514, 0.2727, 0.4306



16.1638, 0.2795, 0.3006



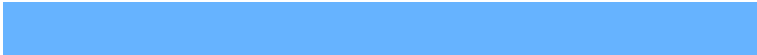
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.2865, 0.2171, 0.2316



35.0884, 0.2013, 0.2081



20.0318, 0.1960, 0.1377



18.8902, 0.2979, 0.3169



12.2023, 0.1774, 0.1586



1.4066, 0.1831, 0.1791

Inverse Universe

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



33.9954, 0.4024, 0.2528



28.4941, 0.4305, 0.2443



92.0969, 0.3991, 0.4679



18.1398, 0.3215, 0.3171



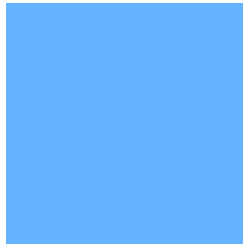
11.9598, 0.4948, 0.2500



1.1865, 0.4696, 0.2361

Previews

White Background



This preview shows how the Yxy color 42.2850, 0.2171, 0.2316 looks on a white background.

Color Contrast Check

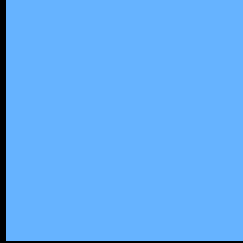
Large Text (above 18pt) WCAG AA × Fail

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 42.2850, 0.2171, 0.2316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

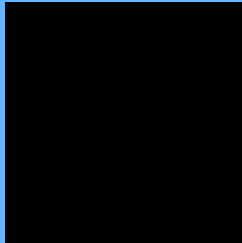
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

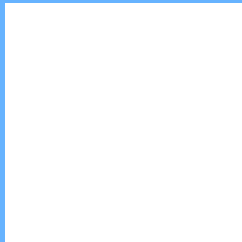
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2850, 0.2171, 0.2316

Background



This preview shows how black text looks on a background with the Yxy color 42.2850, 0.2171, 0.2316.



This preview shows how white text looks on a background with the Yxy color 42.2850, 0.2171, 0.2316.

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

42.2850, 0.2171, 0.2316

Protanopia

41.8227, 0.2419, 0.2324

Deuteranopia

42.0434, 0.2323, 0.2265



Tritanopia

42.4171, 0.2336, 0.3066

Trichromacy



Original Color

42.2850, 0.2171, 0.2316

Protanomaly

41.6775, 0.2311, 0.2309

Deuteranomaly

42.1650, 0.2261, 0.2287

Tritanomaly

42.0519, 0.2265, 0.2753

Monochromacy



Original Color

42.2850, 0.2171, 0.2316

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.5775, 0.2680, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2850, 0.2171, 0.2316 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(102, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 179, 255)  
}
```

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(102, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.2850, 0.2171, 0.2316 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(102, 179, 255) }
```

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

```
.border{ border-color:rgb(102, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2850, 0.2171, 0.2316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 179, 255) }
```

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

```
.background{ background-color: rgb(102,  
179, 255) }
```

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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