

Converting Colors

$Yxy(43.5177, 0.2217, 0.2633)$

Have a look what the booklet for
Yxy(43.5177, 0.2217, 0.2633)
contains.

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Color

Yxy(43.5172, 0.2216, 0.2634)

Conversions

Conversions Part 1

Format	Color
Hex	56BBEB
RGB	86, 187, 235
RGB Percent	34%, 73%, 92%
CMY	0.6624, 0.2667, 0.0783
CMYK	0.63, 0.20, 0.00, 0.08
HSL	199°, 79%, 63%
HSV	199°, 63%, 92%
XYZ	36.6113, 43.5172, 85.0849
YIQ	162.2730, -75.6040, -6.4840

Conversions

Conversions Part 2

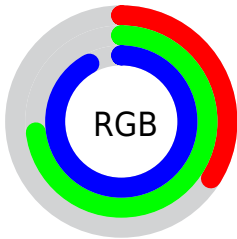
Format	Color
R _Y B	86, 146, 235
Decimal	5684203
CIE Lab	71.90, -15.10, -32.66
CIE LCh	72, 35.978, 245.185
Yxy	43.5172, 0.2216, 0.2634
Android (android.graphics.Color)	4283874283 (0xFF56BBEB)
YUV	162.2730, 35.8544, -66.8914
Hunter-Lab	65.9676, -16.3777, -30.2949

Details

The Yxy color **43.5172, 0.2216, 0.2634** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **35.4221, 0.4772, 0.3799**, and the grayscale version is **36.1318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6171, 0.2531, 0.3152**, and **20.3049, 0.2016, 0.2457** is the 20% darker color. If you saturate the color by 10%, you get **39.4479, 0.2114, 0.2510**, and if you desaturate by 10%, it is **48.1261, 0.2336, 0.2755**.

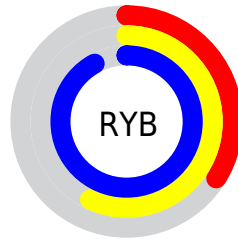
Distribution



Red (34%)

Green (73%)

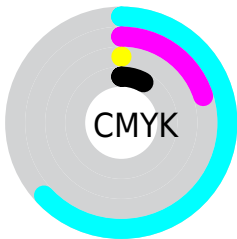
Blue (92%)



Red (34%)

Yellow (57%)

Blue (92%)

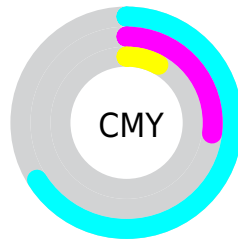


Cyan (63%)

Magenta (20%)

Yellow (0%)

Black (8%)



Cyan (66%)


Magenta (27%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.5172, 0.2216, 0.2634 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 43.5172, 0.2216, 0.2634 by changing the saturation by 10% instead.

 43.5172, 0.2216,
0.2634


 43.5172, 0.2216,
0.2634


360.7344, 0.2657,
0.2967


 30.2911, 0.2112,
0.2551


 80.4908, 0.2372,
0.2755


 20.0597, 0.1983,
0.2446


 105.0070, 0.2432,
0.2801

 12.4384, 0.1819,
0.2308


 134.0555, 0.2483,
0.2839

 7.0430, 0.1605,
0.2121

 168.0205, 0.2527,
0.2872

 3.4890, 0.1320,
0.1858

207.2866, 0.2566,
0.2901

 1.3920, 0.0936,
0.1473

252.2380, 0.2600,

 0.2109, 0.0000,

0.2926

0.0570

303.2591, 0.2630,
0.2948

■ 0.0000, 0.0000,
0.0000

■ 43.5172, 0.2216,
0.2634

■ 43.5172, 0.2216,
0.2634

■ 39.4479, 0.2114,
0.2510

■ 48.1261, 0.2336,
0.2755

■ 35.8735, 0.2032,
0.2386

■ 53.3048, 0.2469,
0.2871

■ 32.7474, 0.1971,
0.2263

■ 59.0863, 0.2614,
0.2981

■ 30.8747, 0.1940,
0.2183

■ 65.4992, 0.2765,
0.3084

■ 72.5701, 0.2920,
0.3178

■ 80.3235, 0.3075,
0.3263

■ 88.7829, 0.3228,
0.3340

■ 94.1653, 0.3251,
0.3413

■ 98.7796, 0.3244,
0.3483

Harmonies

Analogous

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



43.5172, 0.2230, 0.2989



43.5172, 0.2216, 0.2634



43.5172, 0.2418, 0.2479

Triad

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



43.5172, 0.2216, 0.2634



43.5172, 0.3816, 0.3061



43.5172, 0.3383, 0.4214

Complementary

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



43.5172, 0.2216, 0.2634



35.4221, 0.4772, 0.3799

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.



43.5172, 0.3842, 0.4148



43.5172, 0.2216, 0.2634



43.5172, 0.4116, 0.3461

Square

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



43.5172, 0.2216, 0.2634



43.5172, 0.3323, 0.2728



43.5172, 0.4119, 0.3854



43.5172, 0.2878, 0.3968

Rectangle

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



43.5172, 0.2216, 0.2634



43.5172, 0.2661, 0.2486



43.5172, 0.4119, 0.3854



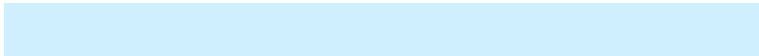
43.5172, 0.3548, 0.4225

Sweetspot

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



43.5188, 0.2216, 0.2634



82.3734, 0.2832, 0.3125



63.1133, 0.2835, 0.4731



17.1187, 0.2787, 0.3098



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.



43.5188, 0.2216, 0.2634



46.1375, 0.2088, 0.2473



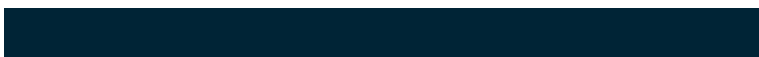
19.8793, 0.1971, 0.1580



16.2553, 0.2981, 0.3212



17.4203, 0.1945, 0.2202



1.5409, 0.1992, 0.2371

Inverse Universe

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



27.9227, 0.3743, 0.2244



28.4468, 0.3922, 0.2126



63.3141, 0.4183, 0.4532



15.2263, 0.3187, 0.3132



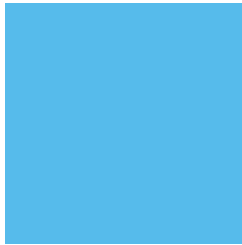
11.2514, 0.4230, 0.2104



0.9010, 0.4053, 0.2006

Previews

White Background



This preview shows how the Yxy color 43.5172, 0.2216, 0.2634 looks on a white background.

Color Contrast Check

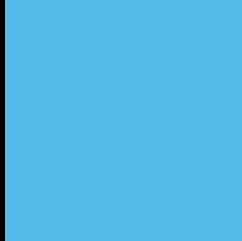
Large Text (above 18pt) WCAG AA × Fail

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 43.5172, 0.2216, 0.2634 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

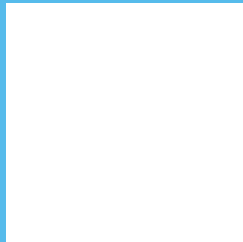
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.5172, 0.2216, 0.2634

Background



This preview shows how black text looks on a background with the Yxy color 43.5172, 0.2216, 0.2634.

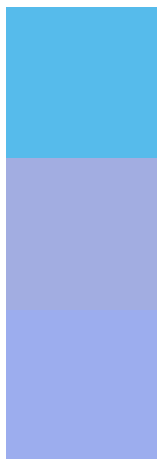


This preview shows how white text looks on a background with the Yxy color 43.5172, 0.2216, 0.2634.

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

43.5172, 0.2216, 0.2634

Protanopia

43.0048, 0.2654, 0.2627

Deuteranopia

43.1281, 0.2532, 0.2477



Tritanopia

43.5820, 0.2307, 0.3067

Trichromacy



Original Color

43.5172, 0.2216, 0.2634

Protanomaly

42.5663, 0.2452, 0.2616

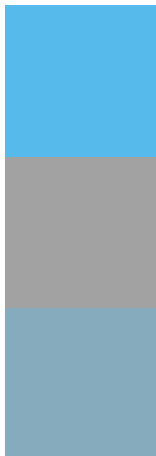
Deuteranomaly

42.7805, 0.2392, 0.2523

Tritanomaly

43.4144, 0.2272, 0.2901

Monochromacy



Original Color

43.5172, 0.2216, 0.2634

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.8683, 0.2684, 0.3026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5172, 0.2216, 0.2634 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(86, 187, 235)` looks like.

```
.text, #text, p{  
    color:rgb(86, 187, 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(86, 187, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 187, 235) }
```

Border

The CSS property to change the border of an element to Yxy 43.5172, 0.2216, 0.2634 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(86, 187, 235) }
```

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

```
.border{ border-color:rgb(86, 187, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 187, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 187, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 187, 235);  
box-shadow:4px 4px 4px 4px rgb(86, 187,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5172, 0.2216, 0.2634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 187, 235) }
```

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

```
.background{ background-color: rgb(86, 187,  
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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