

Converting Colors

$Y_{xy}(45.1881, 0.2136, 0.2516)$

Have a look what the booklet for
Yxy(45.1881, 0.2136, 0.2516)
contains.

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Color

Yxy(45.1623, 0.2135, 0.2511)

Conversions

Conversions Part 1

Format	Color
Hex	4BBEF9
RGB	75, 190, 249
RGB Percent	29%, 75%, 98%
CMY	0.7066, 0.2548, 0.0236
CMYK	0.70, 0.24, 0.00, 0.02
HSL	200°, 94%, 63%
HSV	200°, 70%, 98%
XYZ	38.3996, 45.1623, 96.2959
YIQ	162.3410, -87.4790, -6.0310

Conversions

Conversions Part 2

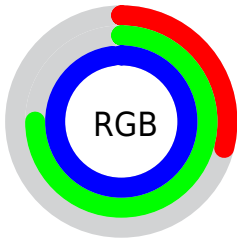
Format	Color
R _Y B	75, 144, 249
Decimal	4964089
CIE Lab	73.00, -13.99, -38.53
CIE LCh	73, 40.989, 250.050
Yxy	45.1623, 0.2135, 0.2511
Android (android.graphics.Color)	4283154169 (0xFF4BBEF9)
YUV	162.3410, 42.7229, -76.5981
Hunter-Lab	67.2029, -15.6104, -37.9154

Details

The Yxy color **45.1623, 0.2135, 0.2511** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **37.6274, 0.4994, 0.3849**, and the grayscale version is **36.1044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8823, 0.2511, 0.3186**, and **21.6971, 0.1980, 0.2327** is the 20% darker color. If you saturate the color by 10%, you get **40.8049, 0.2044, 0.2379**, and if you desaturate by 10%, it is **50.1262, 0.2246, 0.2641**.

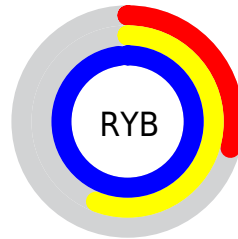
Distribution



Red (29%)

Green (75%)

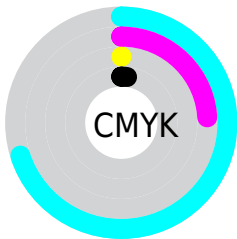
Blue (98%)



Red (29%)

Yellow (56%)

Blue (98%)

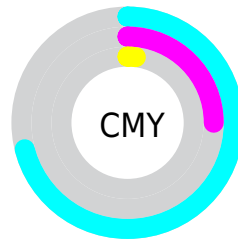


Cyan (70%)

Magenta (24%)

Yellow (0%)

Black (2%)



Cyan (71%)


Magenta (25%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1623, 0.2135, 0.2511 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 45.1623, 0.2135, 0.2511 by changing the saturation by 10% instead.


 45.1623, 0.2135,
0.2511

 45.1623, 0.2135,
0.2511

367.4305, 0.2608,
0.2899

 31.5853, 0.2026,
0.2417


 82.9639, 0.2301,
0.2650


 21.0449, 0.1891,
0.2299


 107.9573, 0.2365,
0.2703

 13.1568, 0.1723,
0.2148


 137.5249, 0.2420,
0.2748

 7.5366, 0.1507,
0.1947

 172.0512, 0.2468,
0.2787

 3.7999, 0.1227,
0.1675

211.9205, 0.2509,
0.2820

 1.5623, 0.0864,
0.1297

257.5172, 0.2546,

 0.3320, 0.0000,

0.2850

0.0631

309.2257, 0.2579,
0.2876

0.0000, 0.0000,
0.0000

45.1623, 0.2135,
0.2511

45.1623, 0.2135,
0.2511

40.8049, 0.2044,
0.2379

50.1262, 0.2246,
0.2641

36.9968, 0.1974,
0.2249

55.7362, 0.2373,
0.2768


33.6557, 0.1923,
0.2121

62.0333, 0.2513,
0.2889


33.6398, 0.1923,
0.2121

69.0527, 0.2662,
0.3003

76.8270, 0.2817,
0.3108

 85.3864, 0.2973,
0.3204

 94.7591, 0.3128,
0.3290

 99.6181, 0.3162,
0.3348

Harmonies

Analogous

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



45.1623, 0.2109, 0.2867



45.1623, 0.2135, 0.2511



45.1623, 0.2393, 0.2382

Triad

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



45.1623, 0.2135, 0.2511



45.1623, 0.3977, 0.3099



45.1623, 0.3315, 0.4318

Complementary

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



45.1623, 0.2135, 0.2511



37.6274, 0.4994, 0.3849

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.



45.1623, 0.3849, 0.4284



45.1623, 0.2135, 0.2511



45.1623, 0.4265, 0.3544

Square

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



45.1623, 0.2135, 0.2511



45.1623, 0.3441, 0.2717



45.1623, 0.4207, 0.3975



45.1623, 0.2757, 0.3985

Rectangle

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



45.1623, 0.2135, 0.2511



45.1623, 0.2682, 0.2413



45.1623, 0.4207, 0.3975



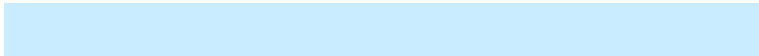
45.1623, 0.3503, 0.4347

Sweetspot

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



45.1639, 0.2135, 0.2511



80.1951, 0.2800, 0.3097



70.9153, 0.2815, 0.4872



16.6671, 0.2757, 0.3068



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.



45.1639, 0.2135, 0.2511



41.3459, 0.2012, 0.2325



18.1957, 0.1847, 0.1349



18.5610, 0.2980, 0.3208



18.2842, 0.1928, 0.2141



1.8895, 0.1971, 0.2295

Inverse Universe

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



28.8615, 0.3872, 0.2197



26.2299, 0.4085, 0.2121



71.8011, 0.4260, 0.4641



17.4188, 0.3190, 0.3134



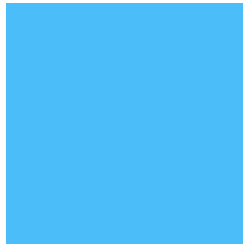
12.2567, 0.4296, 0.2140



1.1550, 0.4132, 0.2050

Previews

White Background



This preview shows how the Yxy color 45.1623, 0.2135, 0.2511 looks on a white background.

Color Contrast Check

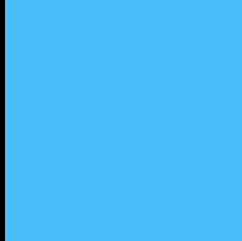
Large Text (above 18pt) WCAG AA × Fail

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 45.1623, 0.2135, 0.2511 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

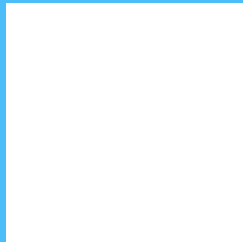
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1623, 0.2135, 0.2511

Background



This preview shows how black text looks on a background with the Yxy color 45.1623, 0.2135, 0.2511.



This preview shows how white text looks on a background with the Yxy color 45.1623, 0.2135, 0.2511.

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

45.1623, 0.2135, 0.2511

Protanopia

44.6973, 0.2564, 0.2521

Deuteranopia

44.6583, 0.2429, 0.2365



Tritanopia

45.3896, 0.2237, 0.3055

Trichromacy



Original Color

45.1623, 0.2135, 0.2511

Protanomaly

44.1257, 0.2363, 0.2506

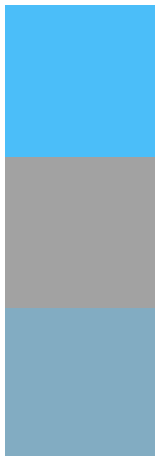
Deuteranomaly

44.2237, 0.2289, 0.2405

Tritanomaly

44.9741, 0.2193, 0.2837

Monochromacy



Original Color

45.1623, 0.2135, 0.2511

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

38.1459, 0.2623, 0.2969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1623, 0.2135, 0.2511 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(75, 190, 249)` looks like.

```
.text, #text, p{  
    color:rgb(75, 190, 249)  
}
```

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(75, 190, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 190, 249) }
```

Border

The CSS property to change the border of an element to Yxy 45.1623, 0.2135, 0.2511 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(75, 190, 249) }
```

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

```
.border{ border-color:rgb(75, 190, 249) }
```

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

Here you see how a box with a 4 pixel rgb(75, 190, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 190, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 190, 249);  
box-shadow:4px 4px 4px 4px rgb(75, 190,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1623, 0.2135, 0.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 190, 249) }
```

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

```
.background{ background-color: rgb(75, 190,  
249) }
```

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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