

Converting Colors

$Y_{xy}(45.1399, 0.2174, 0.2713)$

Have a look what the booklet for
Yxy(45.1399, 0.2174, 0.2713)
contains.

Yxy(45.2963, 0.2174, 0.2712)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.2963, 0.2174, 0.2712)

Conversions

Conversions Part 1

Format	Color
Hex	42C1EB
RGB	66, 193, 235
RGB Percent	26%, 76%, 92%
CMY	0.7411, 0.2431, 0.0785
CMYK	0.72, 0.18, 0.00, 0.08
HSL	195°, 81%, 59%
HSV	195°, 72%, 92%
XYZ	36.3105, 45.2963, 85.4149
YIQ	159.8150, -89.1740, -13.8620

Conversions

Conversions Part 2

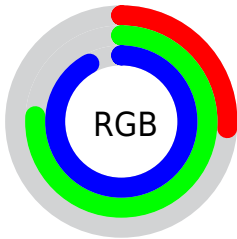
Format	Color
R _Y B	66, 139, 235
Decimal	4375019
CIE Lab	73.09, -21.19, -30.86
CIE LCh	73, 37.434, 235.517
Yxy	45.2963, 0.2174, 0.2712
Android (android.graphics.Color)	4282565099 (0xFF42C1EB)
YUV	159.8150, 37.0662, -82.2758
Hunter-Lab	67.3025, -21.4765, -28.1343

Details

The Yxy color **45.2963, 0.2174, 0.2712** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **28.7778, 0.5209, 0.3692**, and the grayscale version is **34.9237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6595, 0.2486, 0.3231**, and **21.7199, 0.2043, 0.2555** is the 20% darker color. If you saturate the color by 10%, you get **42.1116, 0.2100, 0.2619**, and if you desaturate by 10%, it is **48.9211, 0.2268, 0.2805**.

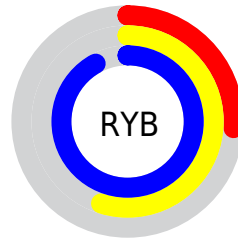
Distribution



Red (26%)

Green (76%)

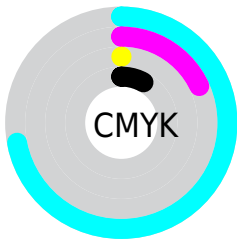
Blue (92%)



Red (26%)

Yellow (55%)

Blue (92%)

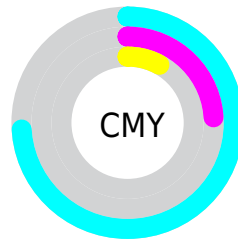


Cyan (72%)

Magenta (18%)

Yellow (0%)

Black (8%)



Cyan (74%)


Magenta (24%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2963, 0.2174, 0.2712 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 45.2963, 0.2174, 0.2712 by changing the saturation by 10% instead.


 45.2963, 0.2174,
0.2712


 45.2963, 0.2174,
0.2712


367.9723, 0.2631,
0.3009


 31.6909, 0.2068,
0.2637

 83.1649, 0.2335,
0.2821


 21.1255, 0.1936,
0.2541


 108.1968, 0.2397,
0.2861

 13.2158, 0.1769,
0.2415


 137.8063, 0.2450,
0.2896

 7.5773, 0.1553,
0.2243


 172.3779, 0.2496,
0.2925

 3.8257, 0.1268,
0.1996

212.2959, 0.2536,
0.2950

 1.5765, 0.0889,
0.1630

257.9447, 0.2571,

 0.3417, 0.0000,

0.2972

0.0883

309.7087, 0.2603,
0.2992

0.0000, 0.0000,
0.0000

45.2963, 0.2174,
0.2712

45.2963, 0.2174,
0.2712

42.1116, 0.2100,
0.2619

48.9211, 0.2268,
0.2805

39.3171, 0.2046,
0.2526


53.0190, 0.2379,
0.2896

37.2847, 0.2014,
0.2451


57.6245, 0.2506,
0.2983


62.7671, 0.2644,
0.3065

68.4738, 0.2791,
0.3143

 74.7694, 0.2943,
0.3214

 81.6772, 0.3098,
0.3278

 89.2191, 0.3252,
0.3337

 92.8950, 0.3253,
0.3393

Harmonies

Analogous

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



45.2963, 0.2260, 0.3135



45.2963, 0.2174, 0.2712



45.2963, 0.2311, 0.2488

Triad

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



45.2963, 0.2174, 0.2712



45.2963, 0.3684, 0.2935



45.2963, 0.3552, 0.4251

Complementary

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



45.2963, 0.2174, 0.2712



28.7778, 0.5209, 0.3692

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.



45.2963, 0.3977, 0.4090



45.2963, 0.2174, 0.2712



45.2963, 0.4074, 0.3328

Square

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



45.2963, 0.2174, 0.2712



45.2963, 0.3151, 0.2629



45.2963, 0.4179, 0.3742



45.2963, 0.3034, 0.4104

Rectangle

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



45.2963, 0.2174, 0.2712



45.2963, 0.2519, 0.2453



45.2963, 0.4179, 0.3742



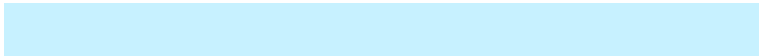
45.2963, 0.3711, 0.4227

Sweetspot

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



45.2979, 0.2174, 0.2712



82.2955, 0.2788, 0.3141



61.5964, 0.2885, 0.5147



17.2001, 0.2748, 0.3121



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.



45.2979, 0.2174, 0.2712



49.1366, 0.2074, 0.2577



18.5412, 0.1873, 0.1514



16.4511, 0.2981, 0.3230



20.9655, 0.2018, 0.2466



1.7963, 0.2054, 0.2594

Inverse Universe

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



25.4084, 0.3691, 0.2046



26.6979, 0.3838, 0.1957



54.8486, 0.4418, 0.4518



15.2461, 0.3176, 0.3115



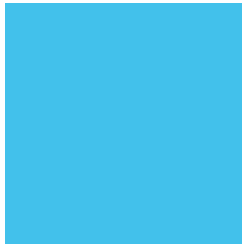
11.6093, 0.3956, 0.1953



0.9268, 0.3830, 0.1884

Previews

White Background



This preview shows how the Yxy color 45.2963, 0.2174, 0.2712 looks on a white background.

Color Contrast Check

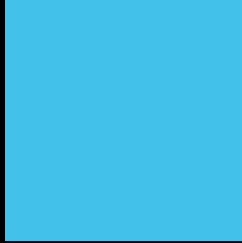
Large Text (above 18pt) WCAG AA × Fail

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 45.2963, 0.2174, 0.2712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

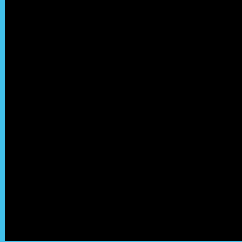
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2963, 0.2174, 0.2712

Background



This preview shows how black text looks on a background with the Yxy color 45.2963, 0.2174, 0.2712.



This preview shows how white text looks on a background with the Yxy color 45.2963, 0.2174, 0.2712.

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

45.2963, 0.2174, 0.2712

Protanopia

44.5939, 0.2707, 0.2696

Deuteranopia

44.9640, 0.2572, 0.2514



Tritanopia

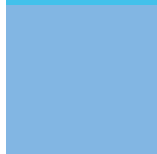
45.4147, 0.2239, 0.3055

Trichromacy



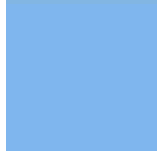
Original Color

45.2963, 0.2174, 0.2712



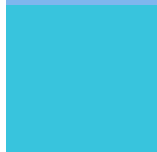
Protanomaly

43.7478, 0.2448, 0.2691



Deuteranomaly

44.1410, 0.2374, 0.2562



Tritanomaly

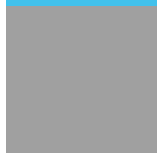
45.5411, 0.2216, 0.2932

Monochromacy



Original Color

45.2963, 0.2174, 0.2712



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

37.5285, 0.2641, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2963, 0.2174, 0.2712 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(66, 193, 235)` looks like.

```
.text, #text, p{  
    color:rgb(66, 193, 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(66, 193, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 193, 235) }
```

Border

The CSS property to change the border of an element to Yxy 45.2963, 0.2174, 0.2712 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(66, 193, 235) }
```

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

```
.border{ border-color:rgb(66, 193, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 193, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 193, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 193, 235);  
box-shadow:4px 4px 4px 4px rgb(66, 193,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2963, 0.2174, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 193, 235) }
```

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

```
.background{ background-color: rgb(66, 193,  
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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