

Converting Colors

$Yxy(46.4274, 0.2134, 0.2595)$

Have a look what the booklet for
Yxy(46.4274, 0.2134, 0.2595)
contains.

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Color

Yxy(46.3612, 0.2134, 0.2596)

Conversions

Conversions Part 1

Format	Color
Hex	41C2F6
RGB	65, 194, 246
RGB Percent	25%, 76%, 96%
CMY	0.7446, 0.2392, 0.0354
CMYK	0.74, 0.21, 0.00, 0.04
HSL	197°, 91%, 61%
HSV	197°, 74%, 96%
XYZ	38.1105, 46.3612, 94.1154
YIQ	161.3570, -93.5760, -11.1760

Conversions

Conversions Part 2

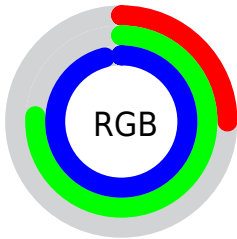
Format	Color
R _{YB}	65, 140, 246
Decimal	4309750
CIE Lab	73.78, -18.28, -35.72
CIE LCh	74, 40.129, 242.900
Yxy	46.3612, 0.2134, 0.2596
Android (android.graphics.Color)	4282499830 (0xFF41C2F6)
YUV	161.3570, 41.7290, -84.5051
Hunter-Lab	68.0891, -19.2467, -34.2906

Details

The Yxy color **46.3612, 0.2134, 0.2596** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **32.7259, 0.5210, 0.3761**, and the grayscale version is **35.6680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3653, 0.2492, 0.3243**, and **22.4303, 0.2007, 0.2425** is the 20% darker color. If you saturate the color by 10%, you get **42.6231, 0.2058, 0.2486**, and if you desaturate by 10%, it is **50.6178, 0.2230, 0.2706**.

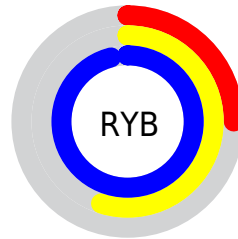
Distribution



Red (25%)

Green (76%)

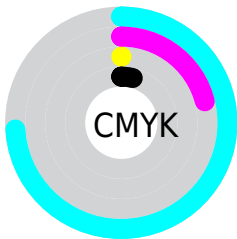
Blue (96%)



Red (25%)

Yellow (55%)

Blue (96%)

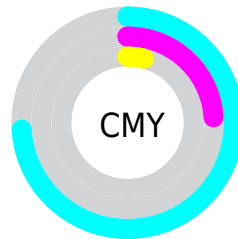


Cyan (74%)

Magenta (21%)

Yellow (0%)

Black (4%)



Cyan (74%)


Magenta (24%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3612, 0.2134, 0.2596 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 46.3612, 0.2134, 0.2596 by changing the saturation by 10% instead.

 46.3612, 0.2134,
0.2596


 46.3612, 0.2134,
0.2596


372.2589, 0.2606,
0.2945


 32.5309, 0.2025,
0.2510


 84.7593, 0.2299,
0.2722


 21.7674, 0.1892,
0.2402

 110.0959, 0.2363,
0.2770

 13.6861, 0.1724,
0.2262


 140.0368, 0.2418,
0.2810

 7.9026, 0.1509,
0.2074

 174.9664, 0.2465,
0.2845

 4.0327, 0.1230,
0.1816

215.2690, 0.2507,
0.2875

 1.6919, 0.0868,
0.1447

261.3290, 0.2544,

 0.4184, 0.0000,

0.2901

0.0828

313.5308, 0.2577,
0.2925

■ 0.0000, 0.0000,
0.0000

■ 46.3612, 0.2134,
0.2596

■ 46.3612, 0.2134,
0.2596

■ 42.6231, 0.2058,
0.2486

■ 50.6178, 0.2230,
0.2706

■ 39.3453, 0.2002,
0.2377

■ 55.4320, 0.2345,
0.2813


■ 37.4176, 0.1974,
0.2308

■ 60.8440, 0.2474,
0.2916

■ 66.8879, 0.2615,
0.3014

■ 73.5951, 0.2764,
0.3105

 80.9943, 0.2918,
0.3189

 89.1125, 0.3073,
0.3265

 96.6374, 0.3182,
0.3334

 99.4329, 0.3179,
0.3376

Harmonies

Analogous

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



46.3612, 0.2165, 0.2994



46.3612, 0.2134, 0.2596



46.3612, 0.2333, 0.2417

Triad

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



46.3612, 0.2134, 0.2596



46.3612, 0.3843, 0.3008



46.3612, 0.3443, 0.4310

Complementary

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



46.3612, 0.2134, 0.2596



32.7259, 0.5210, 0.3761

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.



46.3612, 0.3933, 0.4204



46.3612, 0.2134, 0.2596



46.3612, 0.4194, 0.3435

Square

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



46.3612, 0.2134, 0.2596



46.3612, 0.3294, 0.2659



46.3612, 0.4219, 0.3865



46.3612, 0.2892, 0.4069

Rectangle

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



46.3612, 0.2134, 0.2596



46.3612, 0.2585, 0.2415



46.3612, 0.4219, 0.3865



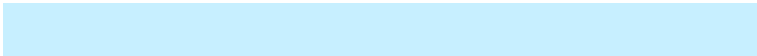
46.3612, 0.3620, 0.4310

Sweetspot

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



46.3628, 0.2134, 0.2596



81.0067, 0.2787, 0.3118



68.3005, 0.2850, 0.5081



16.8934, 0.2745, 0.3094



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.



46.3628, 0.2134, 0.2596



44.5444, 0.2029, 0.2435



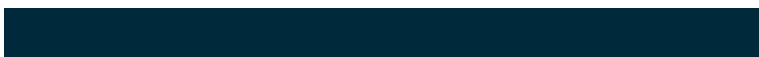
17.7471, 0.1819, 0.1356



17.9057, 0.2980, 0.3220



20.2270, 0.1979, 0.2326



1.9532, 0.2017, 0.2461

Inverse Universe

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



27.2815, 0.3801, 0.2089



25.9584, 0.3979, 0.2023



64.5028, 0.4374, 0.4608



16.6823, 0.3182, 0.3123



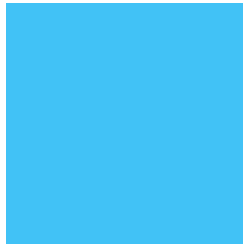
12.1413, 0.4100, 0.2032



1.0848, 0.3961, 0.1956

Previews

White Background



This preview shows how the Yxy color 46.3612, 0.2134, 0.2596 looks on a white background.

Color Contrast Check

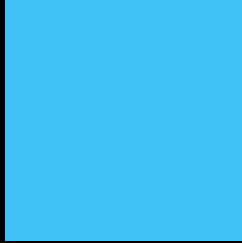
Large Text (above 18pt) WCAG AA × Fail

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 46.3612, 0.2134, 0.2596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

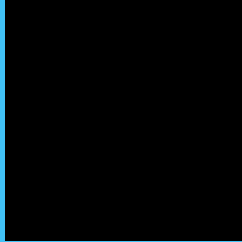
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

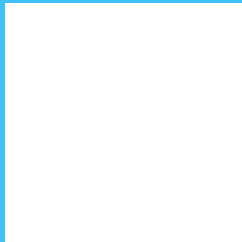
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3612, 0.2134, 0.2596

Background



This preview shows how black text looks on a background with the Yxy color 46.3612, 0.2134, 0.2596.



This preview shows how white text looks on a background with the Yxy color 46.3612, 0.2134, 0.2596.

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

46.3612, 0.2134, 0.2596

Protanopia

45.7806, 0.2625, 0.2597

Deuteranopia

45.9110, 0.2480, 0.2419



Tritanopia

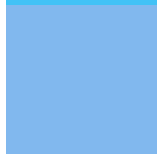
46.2361, 0.2214, 0.3042

Trichromacy



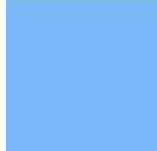
Original Color

46.3612, 0.2134, 0.2596



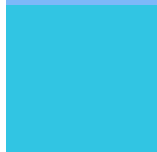
Protanomaly

45.1212, 0.2390, 0.2591



Deuteranomaly

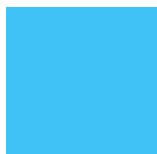
45.4056, 0.2311, 0.2466



Tritanomaly

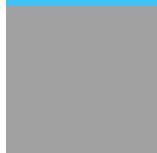
46.1315, 0.2181, 0.2866

Monochromacy



Original Color

46.3612, 0.2134, 0.2596



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.1285, 0.2610, 0.3010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3612, 0.2134, 0.2596 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(65, 194, 246)` looks like.

```
.text, #text, p{  
    color:rgb(65, 194, 246)  
}
```

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(65, 194, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 194, 246) }
```

Border

The CSS property to change the border of an element to Yxy 46.3612, 0.2134, 0.2596 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(65, 194, 246) }
```

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

```
.border{ border-color:rgb(65, 194, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 194, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 194, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 194, 246);  
box-shadow:4px 4px 4px 4px rgb(65, 194,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3612, 0.2134, 0.2596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 194, 246) }
```

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

```
.background{ background-color: rgb(65, 194,  
246) }
```

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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