

Converting Colors

$Y_{xy}(42.2563, 0.2151, 0.2586)$

Have a look what the booklet for
Yxy(42.2563, 0.2151, 0.2586)
contains.

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Color

Yxy(42.0561, 0.2152, 0.2585)

Conversions

Conversions Part 1

Format	Color
Hex	46B9EC
RGB	70, 185, 236
RGB Percent	27%, 73%, 93%
CMY	0.7257, 0.2745, 0.0745
CMYK	0.70, 0.22, 0.00, 0.07
HSL	198°, 81%, 60%
HSV	198°, 70%, 93%
XYZ	35.0115, 42.0561, 85.6252
YIQ	156.4290, -84.9110, -8.5190

Conversions

Conversions Part 2

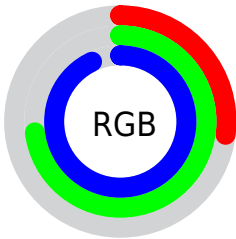
Format	Color
RYB	70, 138, 236
Decimal	4635116
CIELab	70.91, -16.19, -34.76
CIElCh	71, 38.346, 245.028
Yxy	42.0561, 0.2152, 0.2585
Android (android.graphics.Color)	4282825196 (0xFF46B9EC)
YUV	156.4290, 39.2285, -75.7982
Hunter-Lab	64.8507, -17.1203, -32.8878

Details

The Yxy color **42.0561, 0.2152, 0.2585** 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 **31.9349, 0.5052, 0.3794**, and the grayscale version is **33.2926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4490, 0.2479, 0.3127**, and **19.7978, 0.2001, 0.2402** is the 20% darker color. If you saturate the color by 10%, you get **38.3908, 0.2066, 0.2467**, and if you desaturate by 10%, it is **46.2235, 0.2257, 0.2702**.

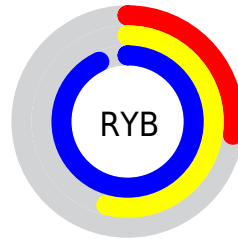
Distribution



Red (27%)

Green (73%)

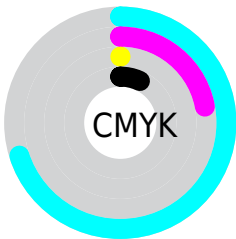
Blue (93%)



Red (27%)

Yellow (54%)

Blue (93%)

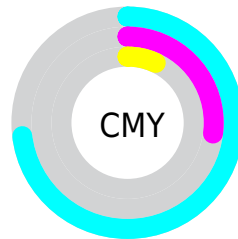


Cyan (70%)

Magenta (22%)

Yellow (0%)

Black (7%)



Cyan (73%)

Magenta (27%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0561, 0.2152, 0.2585 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 42.0561, 0.2152, 0.2585 by changing the saturation by 10% instead.

42.0561, 0.2152,
0.2585

42.0561, 0.2152,
0.2585

354.7154, 0.2624,
0.2944

29.1452, 0.2041,
0.2496

78.2845, 0.2319,
0.2716

19.1907, 0.1904,
0.2382

102.3709, 0.2383,
0.2765

11.8082, 0.1729,
0.2233

130.9511, 0.2438,
0.2807

6.6132, 0.1503,
0.2031

164.4097, 0.2485,
0.2842

3.2214, 0.1206,
0.1750

203.1311, 0.2526,
0.2873

1.2484, 0.0811,
0.1346

247.4996, 0.2563,

0.1007, 0.0000,

0.2900

0.0276

297.8995, 0.2595,
0.2923

0.0000, 0.0000,
0.0000

42.0561, 0.2152,
0.2585

42.0561, 0.2152,
0.2585

38.3908, 0.2066,
0.2467

46.2235, 0.2257,
0.2702

35.1777, 0.2001,
0.2350

50.9268, 0.2379,
0.2816

32.4374, 0.1955,
0.2239

56.2012, 0.2515,
0.2924

62.0772, 0.2661,
0.3027

68.5827, 0.2812,
0.3122

■ 75.7435, 0.2967,
0.3209

■ 83.5837, 0.3122,
0.3287

■ 91.4075, 0.3249,
0.3358

■ 95.8308, 0.3242,
0.3428

Harmonies

Analogous

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



42.0561, 0.2167, 0.2964



42.0561, 0.2152, 0.2585



42.0561, 0.2365, 0.2422

Triad

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



42.0561, 0.2152, 0.2585



42.0561, 0.3867, 0.3040



42.0561, 0.3401, 0.4291

Complementary

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



42.0561, 0.2152, 0.2585



31.9349, 0.5052, 0.3794

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.



42.0561, 0.3894, 0.4210



42.0561, 0.2152, 0.2585



42.0561, 0.4193, 0.3465

Square

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



42.0561, 0.2152, 0.2585



42.0561, 0.3333, 0.2687



42.0561, 0.4195, 0.3887



42.0561, 0.2859, 0.4028

Rectangle

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



42.0561, 0.2152, 0.2585



42.0561, 0.2623, 0.2430



42.0561, 0.4195, 0.3887



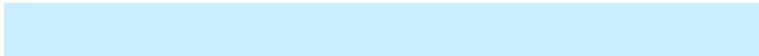
42.0561, 0.3578, 0.4300

Sweetspot

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



42.0576, 0.2152, 0.2585



81.1732, 0.2801, 0.3115



62.6394, 0.2839, 0.4955



16.9010, 0.2759, 0.3089



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.



42.0576, 0.2152, 0.2585



44.1785, 0.2038, 0.2420



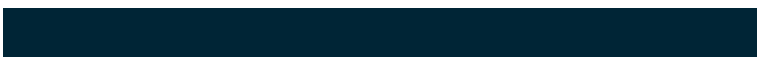
17.0895, 0.1861, 0.1411



16.2959, 0.2981, 0.3216



18.1204, 0.1961, 0.2257



1.5919, 0.2005, 0.2418

Inverse Universe

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



25.7101, 0.3804, 0.2148



26.5159, 0.3989, 0.2064



60.8855, 0.4305, 0.4598



15.2304, 0.3185, 0.3128



11.3221, 0.4171, 0.2071



0.9061, 0.4005, 0.1980

Previews

White Background



This preview shows how the Yxy color 42.0561, 0.2152, 0.2585 looks on a white background.

Color Contrast Check

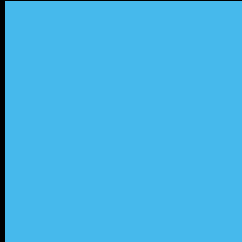
Large Text (above 18pt) WCAG AA × Fail

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 42.0561, 0.2152, 0.2585 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

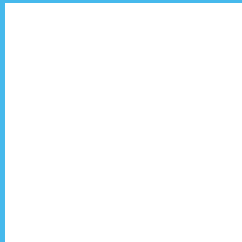
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0561, 0.2152, 0.2585

Background



This preview shows how black text looks on a background with the Yxy color 42.0561, 0.2152, 0.2585.



This preview shows how white text looks on a background with the Yxy color 42.0561, 0.2152, 0.2585.

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

42.0561, 0.2152, 0.2585

Protanopia

41.4548, 0.2620, 0.2582

Deuteranopia

41.4655, 0.2481, 0.2419



Tritanopia

41.9361, 0.2240, 0.3047

Trichromacy



Original Color

42.0561, 0.2152, 0.2585

Protanomaly

40.7527, 0.2398, 0.2566

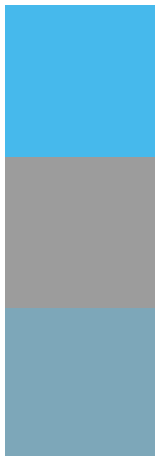
Deuteranomaly

40.8979, 0.2324, 0.2459

Tritanomaly

41.8461, 0.2204, 0.2865

Monochromacy



Original Color

42.0561, 0.2152, 0.2585

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.5002, 0.2638, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0561, 0.2152, 0.2585 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(70, 185, 236)` looks like.

```
.text, #text, p{  
    color:rgb(70, 185, 236)  
}
```

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(70, 185, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 185, 236) }
```

Border

The CSS property to change the border of an element to Yxy 42.0561, 0.2152, 0.2585 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(70, 185, 236) }
```

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

```
.border{ border-color:rgb(70, 185, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 185, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 185, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 185, 236);  
box-shadow:4px 4px 4px 4px rgb(70, 185,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0561, 0.2152, 0.2585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 185, 236) }
```

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

```
.background{ background-color: rgb(70, 185,  
236) }
```

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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