

Converting Colors

$Y_{xy}(48.5028, 0.2346, 0.2615)$

Have a look what the booklet for
Yxy(48.5028, 0.2346, 0.2615)
contains.

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Color

Yxy(48.5028, 0.2346, 0.2615)

Conversions

Conversions Part 1

Format	Color
Hex	7BC0F5
RGB	123, 192, 245
RGB Percent	48%, 75%, 96%
CMY	0.5172, 0.2471, 0.0392
CMYK	0.50, 0.22, 0.00, 0.04
HSL	206°, 86%, 72%
HSV	206°, 50%, 96%
XYZ	43.5134, 48.5028, 93.4629
YIQ	177.4110, -58.1370, 1.8550

Conversions

Conversions Part 2

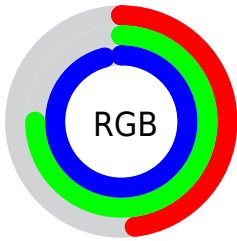
Format	Color
R _Y B	123, 167, 245
Decimal	8110325
CIE Lab	75.14, -7.49, -32.93
CIE LCh	75, 33.776, 257.187
Yxy	48.5028, 0.2346, 0.2615
Android (android.graphics.Color)	4286300405 (0xFF7BC0F5)
YUV	177.4110, 33.3214, -47.7184
Hunter-Lab	69.6440, -10.3504, -30.8171

Details

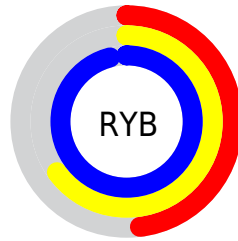
The Yxy color **48.5028, 0.2346, 0.2615** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.9593, 0.4221, 0.3861**, and the grayscale version is **44.0530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1786, 0.2698, 0.3213**, and **23.1961, 0.2150, 0.2436** is the 20% darker color. If you saturate the color by 10%, you get **42.4035, 0.2205, 0.2449**, and if you desaturate by 10%, it is **55.3970, 0.2498, 0.2773**.

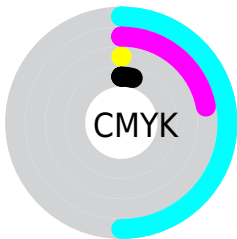
Distribution



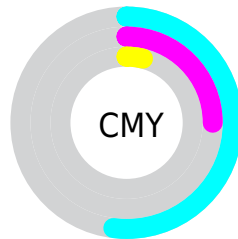
- Red (48%)
- Green (75%)
- Blue (96%)



- Red (48%)
- Yellow (65%)
- Blue (96%)



- Cyan (50%)
- Magenta (22%)
- Yellow (0%)
- Black (4%)



- Cyan (52%)
- Magenta (25%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5028, 0.2346, 0.2615 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 48.5028, 0.2346, 0.2615 by changing the saturation by 10% instead.

■ 48.5028, 0.2346,
0.2615

■ 48.5028, 0.2346,
0.2615

■ 380.7817, 0.2720,
0.2946

■ 34.2252, 0.2259,
0.2536

■ 87.9526, 0.2478,
0.2733

■ 23.0667, 0.2150,
0.2436

■ 113.8935, 0.2529,
0.2778

■ 14.6428, 0.2012,
0.2308

■ 144.4911, 0.2572,
0.2817

■ 8.5690, 0.1832,
0.2138

■ 180.1297, 0.2610,
0.2850

■ 4.4612, 0.1589,
0.1903

■ 221.1936, 0.2643,
0.2878

■ 1.9347, 0.1255,
0.1569

■ 268.0673, 0.2672,

■ 0.5691, 0.0654,

0.2904

0.1040

321.1352, 0.2697,
0.2926

0.0000, 0.0000,
0.0000

48.5028, 0.2346,
0.2615

48.5028, 0.2346,
0.2615

42.4035, 0.2205,
0.2449

55.3970, 0.2498,
0.2773

37.0522, 0.2079,
0.2278

63.1186, 0.2656,
0.2921

32.4040, 0.1973,
0.2107

71.7039, 0.2817,
0.3058

28.4047, 0.1890,
0.1939

81.1857, 0.2976,
0.3181

24.9705, 0.1827,
0.1777

91.5944, 0.3131,
0.3293

■ 24.8888, 0.1826,
0.1773

■ 99.3733, 0.3185,
0.3386

Harmonies

Analogous

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



48.5028, 0.2278, 0.2871



48.5028, 0.2346, 0.2615



48.5028, 0.2607, 0.2544

Triad

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



48.5028, 0.2346, 0.2615



48.5028, 0.3887, 0.3227



48.5028, 0.3178, 0.4066

Complementary

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



48.5028, 0.2346, 0.2615



51.9593, 0.4221, 0.3861

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.



48.5028, 0.3626, 0.4122



48.5028, 0.2346, 0.2615



48.5028, 0.4057, 0.3600

Square

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



48.5028, 0.2346, 0.2615



48.5028, 0.3495, 0.2888



48.5028, 0.3955, 0.3932



48.5028, 0.2736, 0.3743

Rectangle

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



48.5028, 0.2346, 0.2615



48.5028, 0.2870, 0.2593



48.5028, 0.3955, 0.3932



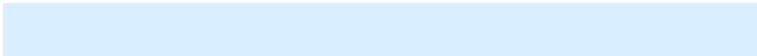
48.5028, 0.3333, 0.4116

Sweetspot

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



48.5046, 0.2346, 0.2615



83.2913, 0.2892, 0.3118



72.6642, 0.2800, 0.4180



17.3644, 0.2858, 0.3091



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.



48.5046, 0.2346, 0.2615



46.1966, 0.2200, 0.2443



27.1136, 0.2190, 0.1810



17.4803, 0.2980, 0.3184



13.6874, 0.1833, 0.1799



1.4072, 0.1890, 0.2003

Inverse Universe

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



37.4165, 0.3720, 0.2564



34.4123, 0.3906, 0.2439



81.3499, 0.3895, 0.4432



16.6394, 0.3205, 0.3157



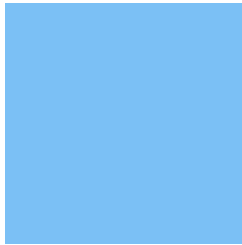
11.4811, 0.4686, 0.2355



1.0297, 0.4450, 0.2225

Previews

White Background



This preview shows how the Yxy color 48.5028, 0.2346, 0.2615 looks on a white background.

Color Contrast Check

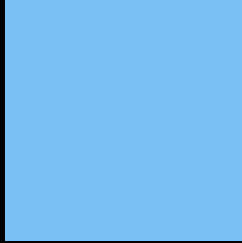
Large Text (above 18pt) WCAG AA × Fail

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 48.5028, 0.2346, 0.2615 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

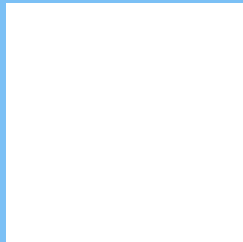
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5028, 0.2346, 0.2615

Background



This preview shows how black text looks on a background with the Yxy color 48.5028, 0.2346, 0.2615.

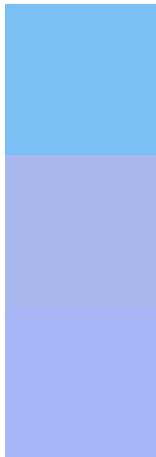


This preview shows how white text looks on a background with the Yxy color 48.5028, 0.2346, 0.2615.

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

48.5028, 0.2346, 0.2615

Protanopia

48.1750, 0.2641, 0.2611

Deuteranopia

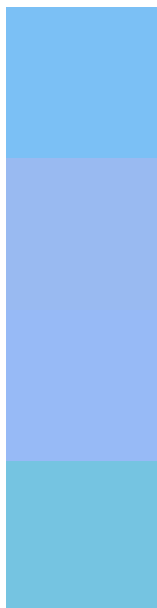
48.3868, 0.2568, 0.2513



Tritanopia

48.7539, 0.2464, 0.3069

Trichromacy



Original Color

48.5028, 0.2346, 0.2615

Protanomaly

48.2410, 0.2519, 0.2609

Deuteranomaly

48.3509, 0.2480, 0.2553

Tritanomaly

48.6980, 0.2423, 0.2901

Monochromacy



Original Color

48.5028, 0.2346, 0.2615

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.8883, 0.2780, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5028, 0.2346, 0.2615 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(123, 192, 245)` looks like.

```
.text, #text, p{  
    color:rgb(123, 192, 245)  
}
```

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(123, 192, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 192, 245) }
```

Border

The CSS property to change the border of an element to Yxy 48.5028, 0.2346, 0.2615 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(123, 192, 245) }
```

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

```
.border{ border-color:rgb(123, 192, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 192, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 192, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 192, 245);  
box-shadow:4px 4px 4px 4px rgb(123, 192,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5028, 0.2346, 0.2615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 192, 245) }
```

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

```
.background{ background-color: rgb(123,  
192, 245) }
```

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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