

Converting Colors

$Y_{xy}(45.5986, 0.2363, 0.2616)$

Have a look what the booklet for
Yxy(45.5986, 0.2363, 0.2616)
contains.

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Color

Yxy(45.5018, 0.2363, 0.2613)

Conversions

Conversions Part 1

Format	Color
Hex	7BBAEE
RGB	123, 186, 238
RGB Percent	48%, 73%, 93%
CMY	0.5180, 0.2705, 0.0667
CMYK	0.48, 0.22, 0.00, 0.07
HSL	207°, 77%, 71%
HSV	207°, 48%, 93%
XYZ	41.1484, 45.5018, 87.4860
YIQ	173.0910, -54.2400, 2.8160

Conversions

Conversions Part 2

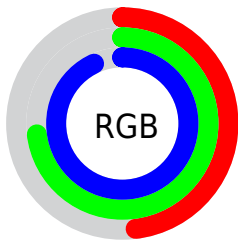
Format	Color
R _Y B	123, 164, 238
Decimal	8108782
CIE Lab	73.22, -6.33, -32.10
CIE LCh	73, 32.721, 258.851
Yxy	45.5018, 0.2363, 0.2613
Android (android.graphics.Color)	4286298862 (0xFF7BBAEE)
YUV	173.0910, 32.0001, -43.9298
Hunter-Lab	67.4550, -9.1591, -29.6779

Details

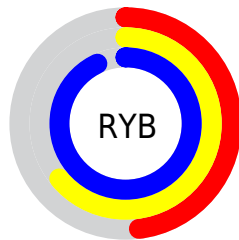
The Yxy color **45.5018, 0.2363, 0.2613** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.2148, 0.4167, 0.3866**, and the grayscale version is **41.6847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5480, 0.2690, 0.3147**, and **21.2424, 0.2164, 0.2426** is the 20% darker color. If you saturate the color by 10%, you get **39.5981, 0.2218, 0.2441**, and if you desaturate by 10%, it is **52.1759, 0.2518, 0.2776**.

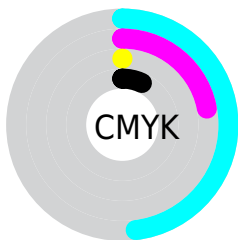
Distribution



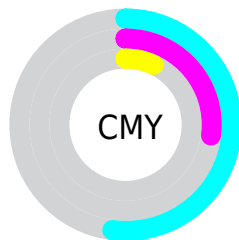
- Red (48%)
- Green (73%)
- Blue (93%)



- Red (48%)
- Yellow (64%)
- Blue (93%)



- Cyan (48%)
- Magenta (22%)
- Yellow (0%)
- Black (7%)



- Cyan (52%)
- Magenta (27%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5018, 0.2363, 0.2613 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 45.5018, 0.2363, 0.2613 by changing the saturation by 10% instead.

■ 45.5018, 0.2363,
0.2613

■ 45.5018, 0.2363,
0.2613

■ 368.8021, 0.2734,
0.2948

■ 31.8529, 0.2275,
0.2532

■ 83.4729, 0.2494,
0.2733

■ 21.2491, 0.2165,
0.2429

■ 108.5639, 0.2545,
0.2779

■ 13.3062, 0.2025,
0.2297

■ 138.2376, 0.2588,
0.2818

■ 7.6398, 0.1839,
0.2119

■ 172.8785, 0.2625,
0.2851

■ 3.8653, 0.1587,
0.1873

■ 212.8711, 0.2657,
0.2880

■ 1.5985, 0.1235,
0.1517

■ 258.5996, 0.2686,

■ 0.3566, 0.0427,

0.2906

0.0825

310.4484, 0.2711,
0.2928

0.0000, 0.0000,
0.0000

45.5018, 0.2363,
0.2613

45.5018, 0.2363,
0.2613

39.5981, 0.2218,
0.2441

52.1759, 0.2518,
0.2776

34.4208, 0.2087,
0.2265

59.6509, 0.2678,
0.2928

29.9282, 0.1976,
0.2087

67.9612, 0.2839,
0.3068

26.0699, 0.1887,
0.1912

77.1376, 0.2998,
0.3194

22.7776, 0.1820,
0.1745

87.2091, 0.3152,
0.3308

■ 22.2735, 0.1811,
0.1717

■ 96.1151, 0.3230,
0.3411

■ 98.9518, 0.3226,
0.3454

Harmonies

Analogous

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



45.5018, 0.2285, 0.2857



45.5018, 0.2363, 0.2613



45.5018, 0.2631, 0.2552

Triad

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



45.5018, 0.2363, 0.2613



45.5018, 0.3895, 0.3248



45.5018, 0.3152, 0.4046

Complementary

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



45.5018, 0.2363, 0.2613



50.2148, 0.4167, 0.3866

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.



45.5018, 0.3599, 0.4117



45.5018, 0.2363, 0.2613



45.5018, 0.4049, 0.3618

Square

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



45.5018, 0.2363, 0.2613



45.5018, 0.3517, 0.2909



45.5018, 0.3933, 0.3941



45.5018, 0.2719, 0.3715

Rectangle

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



45.5018, 0.2363, 0.2613



45.5018, 0.2896, 0.2607



45.5018, 0.3933, 0.3941



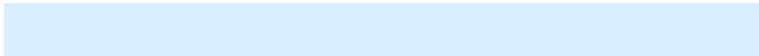
45.5018, 0.3306, 0.4101

Sweetspot

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



45.5035, 0.2363, 0.2613



82.9236, 0.2892, 0.3111



68.4254, 0.2797, 0.4121



17.2758, 0.2858, 0.3083



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.



45.5035, 0.2363, 0.2613



46.4085, 0.2220, 0.2444



25.9917, 0.2217, 0.1835



16.6657, 0.2980, 0.3181



12.6910, 0.1818, 0.1743



1.2543, 0.1879, 0.1964

Inverse Universe

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



35.8660, 0.3716, 0.2604



35.4362, 0.3898, 0.2484



77.4424, 0.3865, 0.4418



15.9039, 0.3207, 0.3161



11.0745, 0.4754, 0.2392



0.9413, 0.4494, 0.2249

Previews

White Background



This preview shows how the Yxy color 45.5018, 0.2363, 0.2613 looks on a white background.

Color Contrast Check

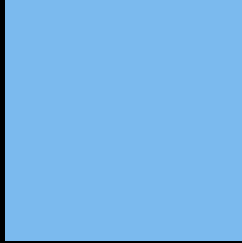
Large Text (above 18pt) WCAG AA × Fail

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 45.5018, 0.2363, 0.2613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

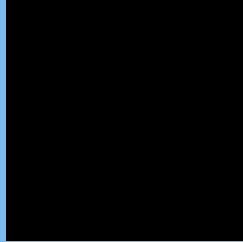
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

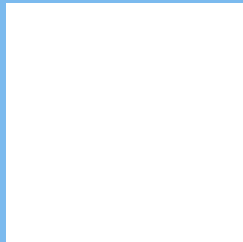
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.5018, 0.2363, 0.2613

Background



This preview shows how black text looks on a background with the Yxy color 45.5018, 0.2363, 0.2613.



This preview shows how white text looks on a background with the Yxy color 45.5018, 0.2363, 0.2613.

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

45.5018, 0.2363, 0.2613

Protanopia

45.2131, 0.2643, 0.2617

Deuteranopia

45.0233, 0.2566, 0.2503



Tritanopia

45.7150, 0.2486, 0.3077

Trichromacy



Original Color

45.5018, 0.2363, 0.2613

Protanomaly

45.0671, 0.2528, 0.2604

Deuteranomaly

45.1704, 0.2488, 0.2547

Tritanomaly

45.6708, 0.2443, 0.2905

Monochromacy



Original Color

45.5018, 0.2363, 0.2613

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.8406, 0.2795, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5018, 0.2363, 0.2613 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, 186, 238)` looks like.

```
.text, #text, p{  
    color:rgb(123, 186, 238)  
}
```

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, 186, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 186, 238) }
```

Border

The CSS property to change the border of an element to Yxy 45.5018, 0.2363, 0.2613 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, 186, 238) }
```

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

```
.border{ border-color:rgb(123, 186, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 186, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 186, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 186, 238); box-shadow:4px 4px 4px 4px rgb(123, 186, 238) }
```


Background

The CSS property to change the background color of an element to `rgb(45.5018, 0.2363, 0.2613)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 186, 238) }
```

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

```
.background{ background-color: rgb(123,  
186, 238) }
```

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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