

Converting Colors

$Y_{xy}(46.3400, 0.2559, 0.2879)$

Have a look what the booklet for
Yxy(46.3400, 0.2559, 0.2879)
contains.

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Color

Yxy(46.5174, 0.2565, 0.2890)

Conversions

Conversions Part 1

Format	Color
Hex	8BBCDA
RGB	139, 188, 218
RGB Percent	55%, 74%, 85%
CMY	0.4550, 0.2627, 0.1450
CMYK	0.36, 0.14, 0.00, 0.14
HSL	203°, 52%, 70%
HSV	203°, 36%, 86%
XYZ	41.2862, 46.5174, 73.1563
YIQ	176.7690, -38.8340, -1.0580

Conversions

Conversions Part 2

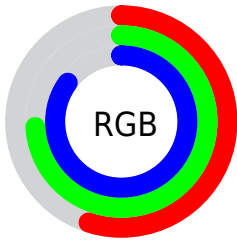
Format	Color
R _Y B	139, 169, 218
Decimal	9157850
CIE Lab	73.88, -8.75, -20.20
CIE LCh	74, 22.016, 246.595
Yxy	46.5174, 0.2565, 0.2890
Android (android.graphics.Color)	4287347930 (0xFF8BBCDA)
YUV	176.7690, 20.3269, -33.1234
Hunter-Lab	68.2037, -11.3038, -15.8528

Details

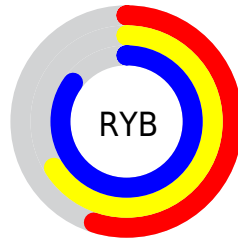
The Yxy color **46.5174, 0.2565, 0.2890** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **45.1544, 0.3867, 0.3655**, and the grayscale version is **43.7452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5235, 0.2769, 0.3172**, and **21.9036, 0.2414, 0.2780** is the 20% darker color. If you saturate the color by 10%, you get **41.3881, 0.2417, 0.2757**, and if you desaturate by 10%, it is **52.2277, 0.2719, 0.3014**.

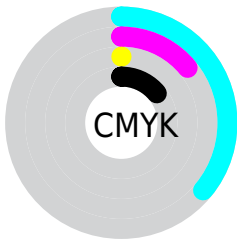
Distribution



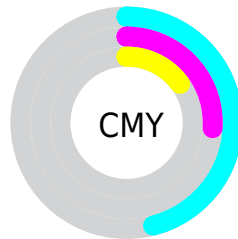
- Red (55%)
- Green (74%)
- Blue (85%)



- Red (55%)
- Yellow (66%)
- Blue (85%)



- Cyan (36%)
- Magenta (14%)
- Yellow (0%)
- Black (14%)



- Cyan (46%)
- Magenta (26%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5174, 0.2565, 0.2890 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 46.5174, 0.2565, 0.2890 by changing the saturation by 10% instead.

■ 46.5174, 0.2565,
0.2890

■ 46.5174, 0.2565,
0.2890

■ 372.8849, 0.2840,
0.3092

■ 32.6543, 0.2498,
0.2840

■ 84.9928, 0.2663,
0.2963

■ 21.8618, 0.2414,
0.2775

■ 110.3739, 0.2701,
0.2991

■ 13.7554, 0.2305,
0.2689

■ 140.3631, 0.2733,
0.3014

■ 7.9507, 0.2157,
0.2571

■ 175.3449, 0.2760,
0.3034

■ 4.0634, 0.1948,
0.2397

■ 215.7035, 0.2784,
0.3051

■ 1.7091, 0.1635,
0.2124

■ 261.8235, 0.2805,

■ 0.4295, 0.0689,

0.3067

0.1520

314.0891, 0.2824,
0.3080

0.0000, 0.0000,
0.0000

46.5174, 0.2565,
0.2890

46.5174, 0.2565,
0.2890

41.3881, 0.2417,
0.2757

52.2277, 0.2719,
0.3014

36.8086, 0.2280,
0.2617

58.5374, 0.2875,
0.3127

32.7525, 0.2157,
0.2472

65.4705, 0.3031,
0.3231

29.1883, 0.2052,
0.2324

73.0480, 0.3184,
0.3324

26.0797, 0.1967,
0.2177

81.2897, 0.3331,
0.3406

■ 23.3820, 0.1904,
0.2033

■ 87.2984, 0.3370,
0.3486

■ 22.4503, 0.1884,
0.1980

■ 92.2249, 0.3358,
0.3566

■ 97.3761, 0.3346,
0.3644

■ 97.8438, 0.3345,
0.3651

Harmonies

Analogous

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



46.5174, 0.2569, 0.3110



46.5174, 0.2565, 0.2890



46.5174, 0.2702, 0.2788

Triad

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



46.5174, 0.2565, 0.2890



46.5174, 0.3550, 0.3167



46.5174, 0.3279, 0.3825

Complementary

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



46.5174, 0.2565, 0.2890



45.1544, 0.3867, 0.3655

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.



46.5174, 0.3555, 0.3814



46.5174, 0.2565, 0.2890



46.5174, 0.3719, 0.3423

Square

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



46.5174, 0.2565, 0.2890



46.5174, 0.3265, 0.2949



46.5174, 0.3720, 0.3660



46.5174, 0.2971, 0.3671

Rectangle

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



46.5174, 0.2565, 0.2890



46.5174, 0.2860, 0.2790



46.5174, 0.3720, 0.3660



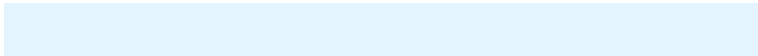
46.5174, 0.3378, 0.3840

Sweetspot

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



46.5192, 0.2565, 0.2890



88.4516, 0.2956, 0.3182



58.4745, 0.2904, 0.3969



18.6443, 0.2935, 0.3168



0.0000, 0.0000, 0.0000



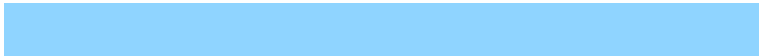
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.5192, 0.2565, 0.2890



60.3179, 0.2444, 0.2783



32.2108, 0.2489, 0.2349



13.9553, 0.2982, 0.3199



13.6588, 0.1889, 0.2001



1.0491, 0.1954, 0.2234

Inverse Universe

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



37.0012, 0.3461, 0.2711



45.6175, 0.3565, 0.2583



61.6403, 0.3709, 0.4082



13.1866, 0.3195, 0.3146



10.0026, 0.4451, 0.2226



0.6646, 0.4195, 0.2085

Previews

White Background



This preview shows how the Yxy color 46.5174, 0.2565, 0.2890 looks on a white background.

Color Contrast Check

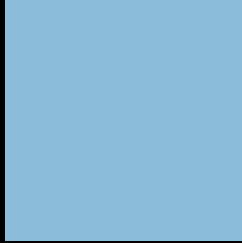
Large Text (above 18pt) WCAG AA × Fail

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 46.5174, 0.2565, 0.2890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

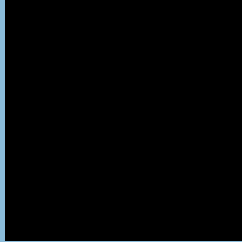
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

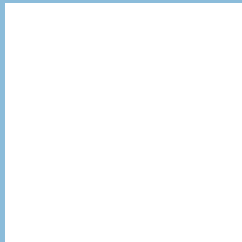
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5174, 0.2565, 0.2890

Background



This preview shows how black text looks on a background with the Yxy color 46.5174, 0.2565, 0.2890.



This preview shows how white text looks on a background with the Yxy color 46.5174, 0.2565, 0.2890.

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

46.5174, 0.2565, 0.2890

Protanopia

46.1076, 0.2845, 0.2871

Deuteranopia

46.1953, 0.2819, 0.2757



Tritanopia

46.4689, 0.2627, 0.3084

Trichromacy



Original Color

46.5174, 0.2565, 0.2890

Protanomaly

45.9923, 0.2736, 0.2875

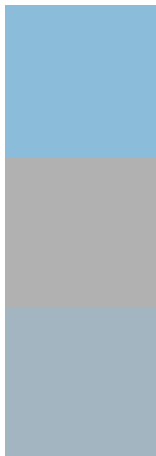
Deuteranomaly

46.0547, 0.2717, 0.2804

Tritanomaly

46.3667, 0.2602, 0.3005

Monochromacy



Original Color

46.5174, 0.2565, 0.2890

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.6400, 0.2895, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5174, 0.2565, 0.2890 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(139, 188, 218)` looks like.

```
.text, #text, p{  
    color:rgb(139, 188, 218)  
}
```

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(139, 188, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 188, 218) }
```

Border

The CSS property to change the border of an element to Yxy 46.5174, 0.2565, 0.2890 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(139, 188, 218) }
```

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

```
.border{ border-color:rgb(139, 188, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 188, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 188, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 188, 218);  
box-shadow:4px 4px 4px 4px rgb(139, 188,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5174, 0.2565, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 188, 218) }
```

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

```
.background{ background-color: rgb(139,  
188, 218) }
```

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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