

Converting Colors

$Y_{xy}(50.0851, 0.2615, 0.2710)$

Have a look what the booklet for
Yxy(50.0851, 0.2615, 0.2710)
contains.

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Color

Yxy(50.2379, 0.2616, 0.2713)

Conversions

Conversions Part 1

Format	Color
Hex	A3BDEC
RGB	163, 189, 236
RGB Percent	64%, 74%, 93%
CMY	0.3608, 0.2588, 0.0745
CMYK	0.31, 0.20, 0.00, 0.07
HSL	219°, 66%, 78%
HSV	219°, 31%, 93%
XYZ	48.4417, 50.2379, 86.4951
YIQ	186.5840, -30.5830, 9.1050

Conversions

Conversions Part 2

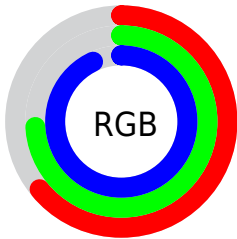
Format	Color
RYB	163, 182, 236
Decimal	10730988
CIELab	76.22, 1.91, -26.24
CIElCh	76, 26.306, 274.166
Yxy	50.2379, 0.2616, 0.2713
Android (android.graphics.Color)	4288921068 (0xFFA3BDEC)
YUV	186.5840, 24.3621, -20.6832
Hunter-Lab	70.8787, -2.0428, -22.7380

Details

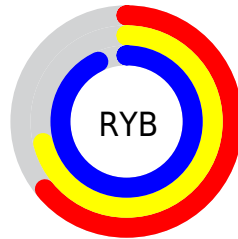
The Yxy color **50.2379, 0.2616, 0.2713** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.5673, 0.3673, 0.3805**, and the grayscale version is **49.3224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5849, 0.2908, 0.3187**, and **24.1548, 0.2481, 0.2567** is the 20% darker color. If you saturate the color by 10%, you get **41.7789, 0.2438, 0.2487**, and if you desaturate by 10%, it is **59.8504, 0.2790, 0.2921**.

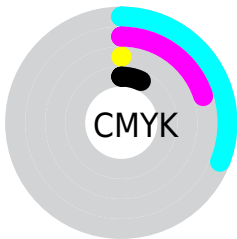
Distribution



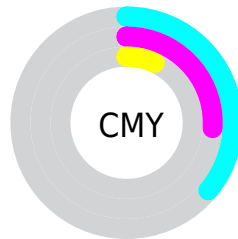
- Red (64%)
- Green (74%)
- Blue (93%)



- Red (64%)
- Yellow (71%)
- Blue (93%)



- Cyan (31%)
- Magenta (20%)
- Yellow (0%)
- Black (7%)



- Cyan (36%)
- Magenta (26%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2379, 0.2616, 0.2713 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 50.2379, 0.2616, 0.2713 by changing the saturation by 10% instead.

■ 50.2379, 0.2616,
0.2713

■ 50.2379, 0.2616,
0.2713

■ 387.5955, 0.2864,
0.2992

■ 35.6025, 0.2557,
0.2647

■ 90.5273, 0.2704,
0.2812

■ 24.1273, 0.2482,
0.2564

■ 116.9500, 0.2738,
0.2850

■ 15.4281, 0.2386,
0.2457

■ 148.0706, 0.2767,
0.2882

■ 9.1204, 0.2257,
0.2315

■ 184.2734, 0.2792,
0.2910

■ 4.8198, 0.2077,
0.2118

■ 225.9430, 0.2813,
0.2934

■ 2.1419, 0.1812,
0.1830

■ 273.4636, 0.2832,

■ 0.6880, 0.1388,

0.2956

0.1363

327.2196, 0.2849,
0.2975

0.0000, 0.0000,
0.0000

50.2379, 0.2616,
0.2713

50.2379, 0.2616,
0.2713

41.7789, 0.2438,
0.2487

59.8504, 0.2790,
0.2921

34.4205, 0.2261,
0.2246

70.6545, 0.2957,
0.3108

28.1144, 0.2092,
0.1997

82.6937, 0.3113,
0.3276

22.8054, 0.1939,
0.1747

95.5486, 0.3243,
0.3424

18.4326, 0.1809,
0.1507

98.8358, 0.3238,
0.3473

■ 14.9260, 0.1709,
0.1288

■ 12.4060, 0.1643,
0.1113

Harmonies

Analogous

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



50.2379, 0.2472, 0.2839



50.2379, 0.2616, 0.2713



50.2379, 0.2897, 0.2732

Triad

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



50.2379, 0.2616, 0.2713



50.2379, 0.3809, 0.3415



50.2379, 0.2971, 0.3759

Complementary

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



50.2379, 0.2616, 0.2713



66.5673, 0.3673, 0.3805

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.



50.2379, 0.3329, 0.3924



50.2379, 0.2616, 0.2713



50.2379, 0.3825, 0.3695

Square

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



50.2379, 0.2616, 0.2713



50.2379, 0.3596, 0.3124



50.2379, 0.3644, 0.3890



50.2379, 0.2668, 0.3445

Rectangle

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



50.2379, 0.2616, 0.2713



50.2379, 0.3133, 0.2818



50.2379, 0.3644, 0.3890



50.2379, 0.3089, 0.3835

Sweetspot

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



50.2399, 0.2616, 0.2713



86.8368, 0.2987, 0.3141



72.3894, 0.2825, 0.3611



18.1557, 0.2964, 0.3116



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.



50.2399, 0.2616, 0.2713



53.4591, 0.2505, 0.2574



41.1065, 0.2649, 0.2398



15.4269, 0.2980, 0.3134



7.0606, 0.1651, 0.1142



0.7304, 0.1728, 0.1419

Inverse Universe

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



47.7025, 0.3578, 0.3001



50.5342, 0.3707, 0.2941



78.8431, 0.3523, 0.4081



15.1427, 0.3237, 0.3206



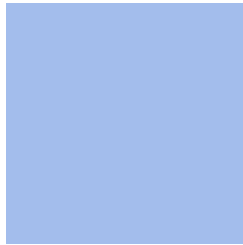
10.2056, 0.5550, 0.2831



0.8191, 0.5166, 0.2620

Previews

White Background



This preview shows how the Yxy color 50.2379, 0.2616, 0.2713 looks on a white background.

Color Contrast Check

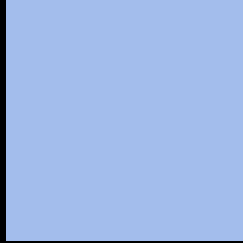
Large Text (above 18pt) WCAG AA × Fail

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 50.2379, 0.2616, 0.2713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

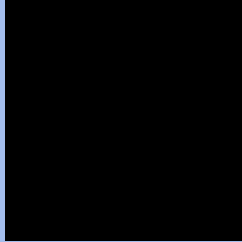
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

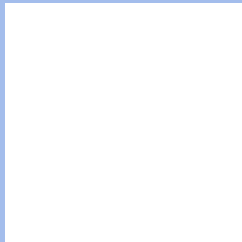
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2379, 0.2616, 0.2713

Background



This preview shows how black text looks on a background with the Yxy color 50.2379, 0.2616, 0.2713.



This preview shows how white text looks on a background with the Yxy color 50.2379, 0.2616, 0.2713.

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

50.2379, 0.2616, 0.2713

Protanopia

50.2884, 0.2712, 0.2711

Deuteranopia

50.0987, 0.2720, 0.2659



Tritanopia

50.3551, 0.2747, 0.3094

Trichromacy



Original Color

50.2379, 0.2616, 0.2713

Protanomaly

50.1967, 0.2673, 0.2707

Deuteranomaly

50.2309, 0.2680, 0.2676

Tritanomaly

50.1847, 0.2696, 0.2945

Monochromacy



Original Color

50.2379, 0.2616, 0.2713

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.8392, 0.2922, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2379, 0.2616, 0.2713 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(163, 189, 236)` looks like.

```
.text, #text, p{  
    color:rgb(163, 189, 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(163, 189, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 189, 236) }
```

Border

The CSS property to change the border of an element to Yxy 50.2379, 0.2616, 0.2713 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(163, 189, 236) }
```

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

```
.border{ border-color:rgb(163, 189, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 189, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 189, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 189, 236);  
box-shadow:4px 4px 4px 4px rgb(163, 189,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2379, 0.2616, 0.2713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 189, 236) }
```

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

```
.background{ background-color: rgb(163,  
189, 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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