

Converting Colors

$Yxy(50.1801, 0.2647, 0.2715)$

Have a look what the booklet for
Yxy(50.1801, 0.2647, 0.2715)
contains.

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Color

Yxy(50.1801, 0.2647, 0.2715)

Conversions

Conversions Part 1

Format	Color
Hex	A7BCEB
RGB	167, 188, 235
RGB Percent	65%, 74%, 92%
CMY	0.3449, 0.2628, 0.0783
CMYK	0.29, 0.20, 0.00, 0.08
HSL	222°, 63%, 79%
HSV	222°, 29%, 92%
XYZ	48.9233, 50.1801, 85.7220
YIQ	187.0790, -27.6030, 10.1650

Conversions

Conversions Part 2

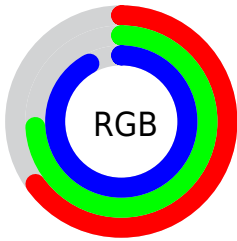
Format	Color
R _Y B	167, 183, 235
Decimal	10992875
CIE Lab	76.18, 3.38, -25.74
CIE LCh	76, 25.966, 277.486
Yxy	50.1801, 0.2647, 0.2715
Android (android.graphics.Color)	4289182955 (0xFFA7BCEB)
YUV	187.0790, 23.6251, -17.6093
Hunter-Lab	70.8379, -0.6876, -22.1612

Details

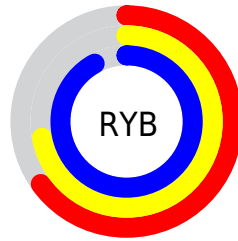
The Yxy color **50.1801, 0.2647, 0.2715** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.5873, 0.3623, 0.3805**, and the grayscale version is **49.6217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6093, 0.2932, 0.3178**, and **24.0933, 0.2518, 0.2570** is the 20% darker color. If you saturate the color by 10%, you get **41.2904, 0.2465, 0.2475**, and if you desaturate by 10%, it is **60.3216, 0.2823, 0.2935**.

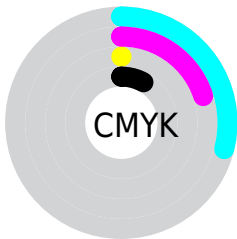
Distribution



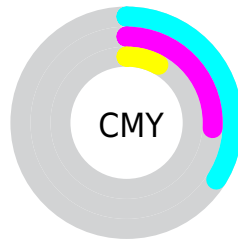
- Red (65%)
- Green (74%)
- Blue (92%)



- Red (65%)
- Yellow (72%)
- Blue (92%)



- Cyan (29%)
- Magenta (20%)
- Yellow (0%)
- Black (8%)



- Cyan (34%)
- Magenta (26%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1801, 0.2647, 0.2715 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 50.1801, 0.2647, 0.2715 by changing the saturation by 10% instead.

■ 50.1801, 0.2647,
0.2715

■ 50.1801, 0.2647,
0.2715

■ 387.3698, 0.2881,
0.2992

■ 35.5565, 0.2591,
0.2649

■ 90.4417, 0.2730,
0.2813

■ 24.0919, 0.2520,
0.2567

■ 116.8484, 0.2762,
0.2851

■ 15.4018, 0.2429,
0.2461

■ 147.9517, 0.2789,
0.2883

■ 9.1019, 0.2306,
0.2320

■ 184.1359, 0.2813,
0.2911

■ 4.8077, 0.2134,
0.2124

■ 225.7855, 0.2833,
0.2935

■ 2.1349, 0.1879,
0.1839

■ 273.2847, 0.2851,

■ 0.6841, 0.1471,

0.2956

0.1373

327.0180, 0.2867,
0.2975

0.0000, 0.0000,
0.0000

50.1801, 0.2647,
0.2715

50.1801, 0.2647,
0.2715

41.2904, 0.2465,
0.2475

60.3216, 0.2823,
0.2935

33.5955, 0.2282,
0.2219

71.7568, 0.2989,
0.3132

27.0425, 0.2104,
0.1953

84.5330, 0.3143,
0.3308

21.5718, 0.1942,
0.1687

97.5280, 0.3246,
0.3464

17.1177, 0.1802,
0.1433

98.7796, 0.3244,
0.3483

■ 13.6056, 0.1693,
0.1204

■ 10.9371, 0.1616,
0.1011

■ 10.6904, 0.1609,
0.0992

Harmonies

Analogous

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



50.1801, 0.2488, 0.2824



50.1801, 0.2647, 0.2715



50.1801, 0.2937, 0.2749

Triad

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



50.1801, 0.2647, 0.2715



50.1801, 0.3812, 0.3447



50.1801, 0.2936, 0.3724

Complementary

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



50.1801, 0.2647, 0.2715



68.5873, 0.3623, 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.



50.1801, 0.3288, 0.3907



50.1801, 0.2647, 0.2715



50.1801, 0.3805, 0.3717

Square

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



50.1801, 0.2647, 0.2715



50.1801, 0.3622, 0.3156



50.1801, 0.3609, 0.3895



50.1801, 0.2647, 0.3405

Rectangle

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



50.1801, 0.2647, 0.2715



50.1801, 0.3173, 0.2842



50.1801, 0.3609, 0.3895



50.1801, 0.3051, 0.3805

Sweetspot

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



50.1821, 0.2647, 0.2715



86.1892, 0.2987, 0.3130



72.4796, 0.2824, 0.3545



17.9969, 0.2963, 0.3103



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.



50.1821, 0.2647, 0.2715



53.5532, 0.2534, 0.2568



43.2951, 0.2712, 0.2470



15.3061, 0.2980, 0.3122



6.1470, 0.1617, 0.1019



0.6478, 0.1693, 0.1293

Inverse Universe

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



48.9485, 0.3570, 0.3057



52.3033, 0.3704, 0.3004



77.8403, 0.3473, 0.4035



15.1305, 0.3244, 0.3218



10.1134, 0.5730, 0.2930



0.8108, 0.5337, 0.2714

Previews

White Background



This preview shows how the Yxy color 50.1801, 0.2647, 0.2715 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 50.1801, 0.2647, 0.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

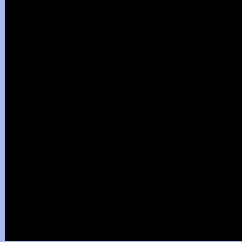
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1801, 0.2647, 0.2715

Background



This preview shows how black text looks on a background with the Yxy color 50.1801, 0.2647, 0.2715.



This preview shows how white text looks on a background with the Yxy color 50.1801, 0.2647, 0.2715.

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

50.1801, 0.2647, 0.2715

Protanopia

50.2311, 0.2719, 0.2722

Deuteranopia

50.1609, 0.2733, 0.2671



Tritanopia

50.2711, 0.2780, 0.3095

Trichromacy



Original Color

50.1801, 0.2647, 0.2715

Protanomaly

50.3654, 0.2693, 0.2720

Deuteranomaly

49.9842, 0.2699, 0.2677

Tritanomaly

50.1101, 0.2728, 0.2947

Monochromacy



Original Color

50.1801, 0.2647, 0.2715

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6036, 0.2944, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1801, 0.2647, 0.2715 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(167, 188, 235)` looks like.

```
.text, #text, p{  
    color:rgb(167, 188, 235)  
}
```

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(167, 188, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 188, 235) }
```

Border

The CSS property to change the border of an element to Yxy 50.1801, 0.2647, 0.2715 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(167, 188, 235) }
```

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

```
.border{ border-color:rgb(167, 188, 235) }
```

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

Here you see how a box with a 4 pixel rgb(167, 188, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 188, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 188, 235);  
box-shadow:4px 4px 4px 4px rgb(167, 188,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1801, 0.2647, 0.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 188, 235) }
```

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

```
.background{ background-color: rgb(167,  
188, 235) }
```

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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