

Converting Colors

$Yxy(50.1480, 0.2648, 0.2671)$

Have a look what the booklet for
Yxy(50.1480, 0.2648, 0.2671)
contains.

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Color

Yxy(50.2597, 0.2648, 0.2673)

Conversions

Conversions Part 1

Format	Color
Hex	AABBEE
RGB	170, 187, 238
RGB Percent	67%, 73%, 93%
CMY	0.3331, 0.2667, 0.0666
CMYK	0.29, 0.21, 0.00, 0.07
HSL	225°, 67%, 80%
HSV	225°, 29%, 93%
XYZ	49.7896, 50.2597, 87.9780
YIQ	187.7310, -26.5030, 12.2570

Conversions

Conversions Part 2

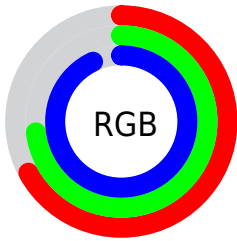
Format	Color
R _Y B	170, 184, 238
Decimal	11189230
CIE Lab	76.23, 5.52, -27.27
CIE LCh	76, 27.820, 281.453
Yxy	50.2597, 0.2648, 0.2673
Android (android.graphics.Color)	4289379310 (0xFFAABBEE)
YUV	187.7310, 24.7826, -15.5501
Hunter-Lab	70.8941, 1.2977, -23.9517

Details

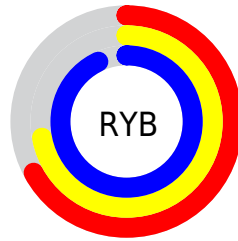
The Yxy color **50.2597, 0.2648, 0.2673** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.8372, 0.3605, 0.3839**, and the grayscale version is **50.0025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4899, 0.2950, 0.3168**, and **24.1406, 0.2519, 0.2516** is the 20% darker color. If you saturate the color by 10%, you get **40.7284, 0.2460, 0.2412**, and if you desaturate by 10%, it is **61.2186, 0.2827, 0.2912**.

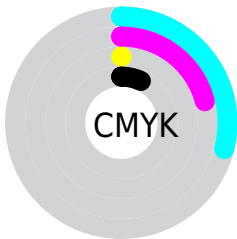
Distribution



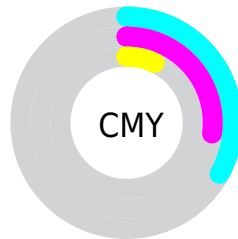
- Red (67%)
- Green (73%)
- Blue (93%)



- Red (67%)
- Yellow (72%)
- Blue (93%)



- Cyan (29%)
- Magenta (21%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (27%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2597, 0.2648, 0.2673 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 50.2597, 0.2648, 0.2673 by changing the saturation by 10% instead.

■ 50.2597, 0.2648,
0.2673

■ 50.2597, 0.2648,
0.2673

■ 387.6807, 0.2882,
0.2969

■ 35.6198, 0.2592,
0.2603

■ 90.5595, 0.2731,
0.2777

■ 24.1407, 0.2521,
0.2516

■ 116.9883, 0.2763,
0.2818

■ 15.4380, 0.2430,
0.2405

■ 148.1154, 0.2790,
0.2852

■ 9.1274, 0.2307,
0.2257

■ 184.3253, 0.2814,
0.2882

■ 4.8244, 0.2136,
0.2055

■ 226.0024, 0.2834,
0.2908

■ 2.1446, 0.1883,
0.1762

■ 273.5310, 0.2852,

■ 0.6895, 0.1485,

0.2930

0.1296

327.2957, 0.2868,
0.2951

0.0000, 0.0000,
0.0000

50.2597, 0.2648,
0.2673

50.2597, 0.2648,
0.2673

40.7284, 0.2460,
0.2412

61.2186, 0.2827,
0.2912

32.5583, 0.2270,
0.2134

73.6559, 0.2995,
0.3126

25.6865, 0.2085,
0.1848

87.6270, 0.3148,
0.3316

20.0423, 0.1915,
0.1565

98.9540, 0.3226,
0.3454

15.5477, 0.1769,
0.1301

■ 12.1146, 0.1657,
0.1071

■ 9.6312, 0.1582,
0.0886

■ 9.3355, 0.1573,
0.0863

Harmonies

Analogous

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



50.2597, 0.2458, 0.2767



50.2597, 0.2648, 0.2673



50.2597, 0.2971, 0.2729

Triad

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



50.2597, 0.2648, 0.2673



50.2597, 0.3873, 0.3496



50.2597, 0.2875, 0.3717

Complementary

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



50.2597, 0.2648, 0.2673



72.8372, 0.3605, 0.3839

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.



50.2597, 0.3247, 0.3939



50.2597, 0.2648, 0.2673



50.2597, 0.3835, 0.3777

Square

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



50.2597, 0.2648, 0.2673



50.2597, 0.3695, 0.3186



50.2597, 0.3601, 0.3952



50.2597, 0.2582, 0.3362

Rectangle

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



50.2597, 0.2648, 0.2673



50.2597, 0.3227, 0.2839



50.2597, 0.3601, 0.3952



50.2597, 0.2995, 0.3811

Sweetspot

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



50.2617, 0.2648, 0.2673



85.3995, 0.2987, 0.3116



74.9322, 0.2803, 0.3487



17.8034, 0.2963, 0.3087



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.



50.2617, 0.2648, 0.2673



52.3656, 0.2544, 0.2530



45.5116, 0.2752, 0.2489



15.8688, 0.2980, 0.3107



5.3794, 0.1580, 0.0887



0.6001, 0.1648, 0.1133

Inverse Universe

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



50.5351, 0.3600, 0.3104



53.0899, 0.3729, 0.3066



79.4391, 0.3436, 0.4034



15.8235, 0.3254, 0.3231



10.3364, 0.5931, 0.3041



0.8753, 0.5562, 0.2838

Previews

White Background



This preview shows how the Yxy color 50.2597, 0.2648, 0.2673 looks on a white background.

Color Contrast Check

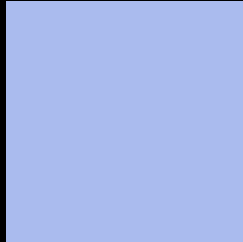
Large Text (above 18pt) WCAG AA × Fail

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 50.2597, 0.2648, 0.2673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

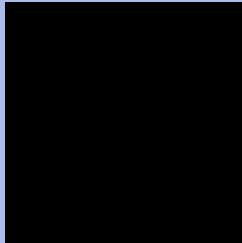
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.2597, 0.2648, 0.2673

Background



This preview shows how black text looks on a background with the Yxy color 50.2597, 0.2648, 0.2673.



This preview shows how white text looks on a background with the Yxy color 50.2597, 0.2648, 0.2673.

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

50.2597, 0.2648, 0.2673

Protanopia

50.3462, 0.2687, 0.2677

Deuteranopia

50.0967, 0.2700, 0.2636



Tritanopia

50.1459, 0.2800, 0.3083

Trichromacy



Original Color

50.2597, 0.2648, 0.2673

Protanomaly

50.1165, 0.2673, 0.2675

Deuteranomaly

50.1600, 0.2680, 0.2645

Tritanomaly

50.0484, 0.2741, 0.2924

Monochromacy



Original Color

50.2597, 0.2648, 0.2673

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.2464, 0.2938, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2597, 0.2648, 0.2673 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(170, 187, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 187, 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(170, 187, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 187, 238) }
```

Border

The CSS property to change the border of an element to Yxy 50.2597, 0.2648, 0.2673 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(170, 187, 238) }
```

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

```
.border{ border-color:rgb(170, 187, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 187, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 187, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 187, 238); box-shadow:4px 4px 4px 4px rgb(170, 187, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2597, 0.2648, 0.2673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 187, 238) }
```

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

```
.background{ background-color: rgb(170,  
187, 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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