

Converting Colors

$Yxy(50.1104, 0.2718, 0.2811)$

Have a look what the booklet for
Yxy(50.1104, 0.2718, 0.2811)
contains.

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Color

Yxy(50.0585, 0.2716, 0.2808)

Conversions

Conversions Part 1

Format	Color
Hex	AABCE3
RGB	170, 188, 227
RGB Percent	67%, 74%, 89%
CMY	0.3335, 0.2627, 0.1097
CMYK	0.25, 0.17, 0.00, 0.11
HSL	221°, 50%, 78%
HSV	221°, 25%, 89%
XYZ	48.4184, 50.0585, 79.7941
YIQ	187.0640, -23.2470, 8.3130

Conversions

Conversions Part 2

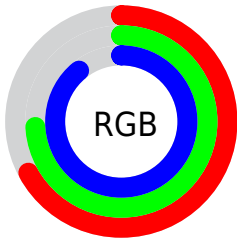
Format	Color
R _{YB}	170, 184, 227
Decimal	11189475
CIE _{Lab}	76.11, 2.32, -21.51
CIE _{LCh}	76, 21.639, 276.157
Yxy	50.0585, 0.2716, 0.2808
Android (android.graphics.Color)	4289379555 (0xFFAABCE3)
YUV	187.0640, 19.6884, -14.9651
Hunter-Lab	70.7520, -1.6615, -17.3408

Details

The Yxy color **50.0585, 0.2716, 0.2808** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **64.8078, 0.3552, 0.3729**, and the grayscale version is **49.6253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0901, 0.2950, 0.3178**, and **24.0884, 0.2606, 0.2677** is the 20% darker color. If you saturate the color by 10%, you get **41.4696, 0.2537, 0.2579**, and if you desaturate by 10%, it is **59.8007, 0.2888, 0.3016**.

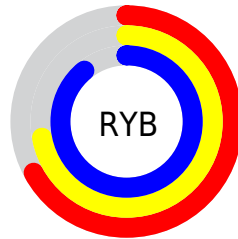
Distribution



Red (67%)

Green (74%)

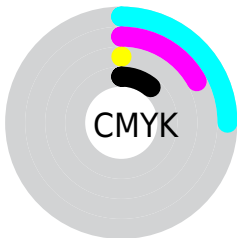
Blue (89%)



Red (67%)

Yellow (72%)

Blue (89%)

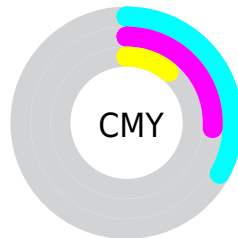


Cyan (25%)

Magenta (17%)

Yellow (0%)

Black (11%)



Cyan (33%)

Magenta (26%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0585, 0.2716, 0.2808 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 50.0585, 0.2716, 0.2808 by changing the saturation by 10% instead.

■ 50.0585, 0.2716,
0.2808

■ 50.0585, 0.2716,
0.2808

■ 386.8947, 0.2917,
0.3042

■ 35.4599, 0.2667,
0.2752

■ 90.2615, 0.2788,
0.2891

■ 24.0173, 0.2606,
0.2681

■ 116.6348, 0.2815,
0.2923

■ 15.3465, 0.2526,
0.2590

■ 147.7016, 0.2839,
0.2950

■ 9.0629, 0.2418,
0.2467

■ 183.8466, 0.2859,
0.2974

■ 4.7822, 0.2265,
0.2294

■ 225.4539, 0.2876,
0.2994

■ 2.1201, 0.2033,
0.2035

■ 272.9081, 0.2891,

■ 0.6759, 0.1641,

0.3012

0.1587

326.5936, 0.2905,
0.3028

0.0000, 0.0000,
0.0000

50.0585, 0.2716,
0.2808

50.0585, 0.2716,
0.2808

41.4696, 0.2537,
0.2579

59.8007, 0.2888,
0.3016

33.9831, 0.2355,
0.2332

70.7326, 0.3049,
0.3203

27.5531, 0.2175,
0.2072

82.8960, 0.3198,
0.3368

22.1275, 0.2007,
0.1809

95.2216, 0.3297,
0.3515

17.6496, 0.1859,
0.1551

98.3269, 0.3291,
0.3562

■ 14.0556, 0.1738,
0.1313

■ 11.2716, 0.1649,
0.1104

■ 10.1665, 0.1615,
0.1015

Harmonies

Analogous

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



50.0585, 0.2586, 0.2909



50.0585, 0.2716, 0.2808



50.0585, 0.2957, 0.2829

Triad

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



50.0585, 0.2716, 0.2808



50.0585, 0.3693, 0.3415



50.0585, 0.2982, 0.3658

Complementary

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



50.0585, 0.2716, 0.2808



64.8078, 0.3552, 0.3729

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.



50.0585, 0.3277, 0.3803



50.0585, 0.2716, 0.2808



50.0585, 0.3696, 0.3643

Square

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



50.0585, 0.2716, 0.2808



50.0585, 0.3529, 0.3169



50.0585, 0.3541, 0.3792



50.0585, 0.2734, 0.3400

Rectangle

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



50.0585, 0.2716, 0.2808



50.0585, 0.3154, 0.2906



50.0585, 0.3541, 0.3792



50.0585, 0.3079, 0.3722

Sweetspot

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



50.0605, 0.2716, 0.2808



87.7600, 0.3003, 0.3151



68.0876, 0.2861, 0.3507



18.3163, 0.2979, 0.3123



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.



50.0605, 0.2716, 0.2808



59.3254, 0.2626, 0.2695



44.0285, 0.2776, 0.2592



14.6282, 0.2981, 0.3125



6.1135, 0.1623, 0.1041



0.6140, 0.1704, 0.1332

Inverse Universe

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



48.6942, 0.3491, 0.3084



57.5987, 0.3589, 0.3040



72.5305, 0.3428, 0.3933



14.4428, 0.3243, 0.3216



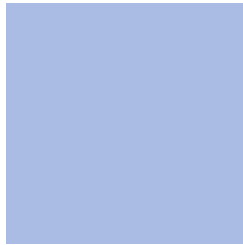
9.8149, 0.5697, 0.2912



0.7417, 0.5282, 0.2683

Previews

White Background



This preview shows how the Yxy color 50.0585, 0.2716, 0.2808 looks on a white background.

Color Contrast Check

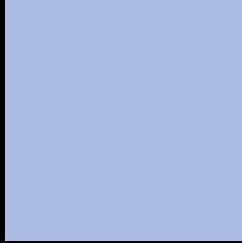
Large Text (above 18pt) WCAG AA × Fail

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 50.0585, 0.2716, 0.2808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

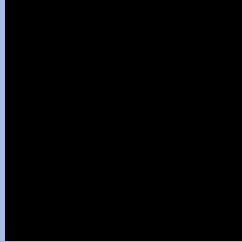
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

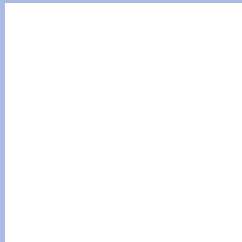
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0585, 0.2716, 0.2808

Background



This preview shows how black text looks on a background with the Yxy color 50.0585, 0.2716, 0.2808.



This preview shows how white text looks on a background with the Yxy color 50.0585, 0.2716, 0.2808.

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

50.0585, 0.2716, 0.2808

Protanopia

50.1378, 0.2792, 0.2814

Deuteranopia

49.7827, 0.2814, 0.2750



Tritanopia

50.3113, 0.2821, 0.3097

Trichromacy



Original Color

50.0585, 0.2716, 0.2808

Protanomaly

50.2617, 0.2764, 0.2812

Deuteranomaly

50.0027, 0.2778, 0.2769

Tritanomaly

50.3321, 0.2782, 0.2998

Monochromacy



Original Color

50.0585, 0.2716, 0.2808

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6287, 0.2967, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0585, 0.2716, 0.2808 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, 188, 227)` looks like.

```
.text, #text, p{  
    color:rgb(170, 188, 227)  
}
```

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, 188, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 188, 227) }
```

Border

The CSS property to change the border of an element to Yxy 50.0585, 0.2716, 0.2808 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, 188, 227) }
```

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

```
.border{ border-color:rgb(170, 188, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 188, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 188, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 188, 227);  
box-shadow:4px 4px 4px 4px rgb(170, 188,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0585, 0.2716, 0.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 188, 227) }
```

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

```
.background{ background-color: rgb(170,  
188, 227) }
```

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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