

Converting Colors

$Y_{xy}(50.6546, 0.2550, 0.2670)$

Have a look what the booklet for
Yxy(50.6546, 0.2550, 0.2670)
contains.

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Color

Yxy(50.7806, 0.2553, 0.2677)

Conversions

Conversions Part 1

Format	Color
Hex	9DBFF1
RGB	157, 191, 241
RGB Percent	62%, 75%, 95%
CMY	0.3839, 0.2511, 0.0548
CMYK	0.35, 0.21, 0.00, 0.05
HSL	216°, 75%, 78%
HSV	216°, 35%, 95%
XYZ	48.4284, 50.7806, 90.4832
YIQ	186.5340, -36.3140, 8.3420

Conversions

Conversions Part 2

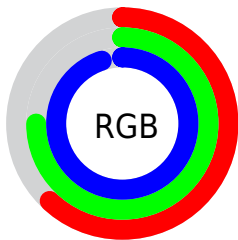
Format	Color
RYB	157, 181, 241
Decimal	10338289
CIELab	76.55, 0.45, -28.47
CIELCh	77, 28.474, 270.903
Yxy	50.7806, 0.2553, 0.2677
Android (android.graphics.Color)	4288528369 (0xFF9DBFF1)
YUV	186.5340, 26.8517, -25.9013
Hunter-Lab	71.2605, -3.3979, -25.4012

Details

The Yxy color **50.7806, 0.2553, 0.2677** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.8344, 0.3767, 0.3832**, and the grayscale version is **49.2903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8877, 0.2874, 0.3207**, and **24.5633, 0.2406, 0.2522** is the 20% darker color. If you saturate the color by 10%, you get **42.6279, 0.2380, 0.2462**, and if you desaturate by 10%, it is **60.0305, 0.2726, 0.2876**.

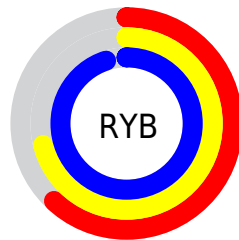
Distribution



Red (62%)

Green (75%)

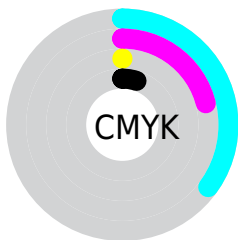
Blue (95%)



Red (62%)

Yellow (71%)

Blue (95%)

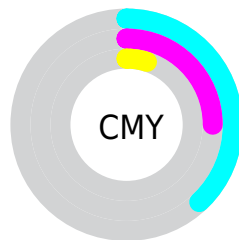


Cyan (35%)

Magenta (21%)

Yellow (0%)

Black (5%)



Cyan (38%)

Magenta (25%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7806, 0.2553, 0.2677 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 50.7806, 0.2553, 0.2677 by changing the saturation by 10% instead.

■ 50.7806, 0.2553,
0.2677

■ 50.7806, 0.2553,
0.2677

389.7108, 0.2830,
0.2973

■ 36.0340, 0.2487,
0.2607

■ 91.3304, 0.2651,
0.2782

■ 24.4605, 0.2405,
0.2520

■ 117.9024, 0.2689,
0.2822

■ 15.6756, 0.2299,
0.2407

149.1850, 0.2721,
0.2856

■ 9.2949, 0.2159,
0.2258

185.5626, 0.2749,
0.2886

■ 4.9340, 0.1966,
0.2053

227.4196, 0.2773,
0.2912

■ 2.2086, 0.1687,
0.1758

275.1403, 0.2794,

■ 0.7247, 0.1254,

0.2934

0.1298

329.1093, 0.2813,
0.2955

0.0000, 0.0000,
0.0000

50.7806, 0.2553,
0.2677

50.7806, 0.2553,
0.2677

42.6279, 0.2380,
0.2462

60.0305, 0.2726,
0.2876

35.5207, 0.2211,
0.2235

70.4146, 0.2893,
0.3056

29.4113, 0.2054,
0.2002

81.9752, 0.3053,
0.3218

24.2451, 0.1915,
0.1769

94.7505, 0.3204,
0.3362

19.9608, 0.1801,
0.1547

99.1321, 0.3208,
0.3424

■ 16.4864, 0.1715,
0.1342

■ 14.9584, 0.1679,
0.1244

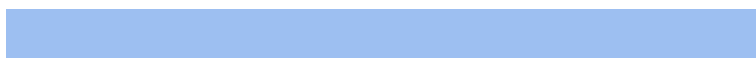
Harmonies

Analogous

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



50.7806, 0.2417, 0.2828



50.7806, 0.2553, 0.2677



50.7806, 0.2840, 0.2682

Triad

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



50.7806, 0.2553, 0.2677



50.7806, 0.3848, 0.3387



50.7806, 0.2999, 0.3827

Complementary

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



50.7806, 0.2553, 0.2677



65.8344, 0.3767, 0.3832

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.



50.7806, 0.3384, 0.3982



50.7806, 0.2553, 0.2677



50.7806, 0.3889, 0.3693

Square

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



50.7806, 0.2553, 0.2677



50.7806, 0.3598, 0.3078



50.7806, 0.3713, 0.3920



50.7806, 0.2662, 0.3498

Rectangle

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



50.7806, 0.2553, 0.2677



50.7806, 0.3089, 0.2765



50.7806, 0.3713, 0.3920



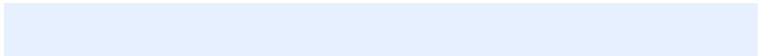
50.7806, 0.3127, 0.3903

Sweetspot

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



50.7826, 0.2553, 0.2677



86.1600, 0.2971, 0.3136



74.5592, 0.2814, 0.3711



18.0491, 0.2948, 0.3113



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.



50.7826, 0.2553, 0.2677



50.8291, 0.2426, 0.2522



38.4010, 0.2545, 0.2258



16.2764, 0.2980, 0.3145



8.3582, 0.1687, 0.1274



0.8855, 0.1760, 0.1534

Inverse Universe

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



46.6118, 0.3619, 0.2921



46.1762, 0.3769, 0.2842



82.8571, 0.3601, 0.4174



15.8646, 0.3230, 0.3195



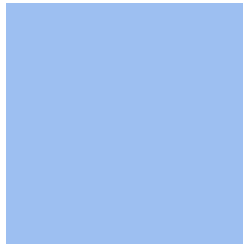
10.6371, 0.5362, 0.2727



0.9041, 0.5015, 0.2537

Previews

White Background



This preview shows how the Yxy color 50.7806, 0.2553, 0.2677 looks on a white background.

Color Contrast Check

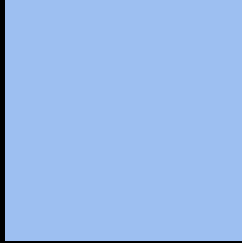
Large Text (above 18pt) WCAG AA × Fail

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 50.7806, 0.2553, 0.2677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

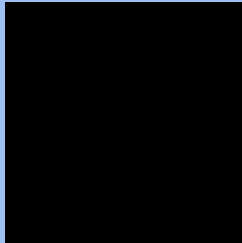
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

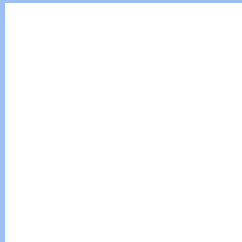
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.7806, 0.2553, 0.2677

Background



This preview shows how black text looks on a background with the Yxy color 50.7806, 0.2553, 0.2677.



This preview shows how white text looks on a background with the Yxy color 50.7806, 0.2553, 0.2677.

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

50.7806, 0.2553, 0.2677

Protanopia

50.5210, 0.2688, 0.2668

Deuteranopia

50.5737, 0.2676, 0.2616



Tritanopia

50.7174, 0.2684, 0.3080

Trichromacy



Original Color

50.7806, 0.2553, 0.2677

Protanomaly

50.6335, 0.2637, 0.2674

Deuteranomaly

50.4975, 0.2624, 0.2631

Tritanomaly

50.6836, 0.2635, 0.2919

Monochromacy



Original Color

50.7806, 0.2553, 0.2677

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.7015, 0.2893, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7806, 0.2553, 0.2677 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(157, 191, 241)` looks like.

```
.text, #text, p{  
    color:rgb(157, 191, 241)  
}
```

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(157, 191, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 191, 241) }
```

Border

The CSS property to change the border of an element to Yxy 50.7806, 0.2553, 0.2677 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(157, 191, 241) }
```

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

```
.border{ border-color:rgb(157, 191, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 191, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 191, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 191, 241);  
box-shadow:4px 4px 4px 4px rgb(157, 191,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7806, 0.2553, 0.2677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 191, 241) }
```

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

```
.background{ background-color: rgb(157,  
191, 241) }
```

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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