

Converting Colors

Yxy(50.6346, 0.2552, 0.2688)

Have a look what the booklet for
Yxy(50.6346, 0.2552, 0.2688)
contains.

Yxy(50.6208, 0.2552, 0.2687)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.6208, 0.2552, 0.2687)

Conversions

Conversions Part 1

Format	Color
Hex	9CBFF0
RGB	156, 191, 240
RGB Percent	61%, 75%, 94%
CMY	0.3881, 0.2510, 0.0587
CMYK	0.35, 0.20, 0.00, 0.06
HSL	215°, 74%, 78%
HSV	215°, 35%, 94%
XYZ	48.0775, 50.6208, 89.6932
YIQ	186.1210, -36.5890, 7.8190

Conversions

Conversions Part 2

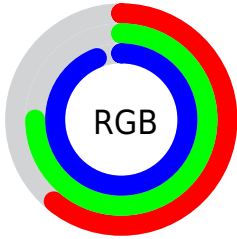
Format	Color
R _Y B	156, 181, 240
Decimal	10272752
CIE Lab	76.45, -0.10, -28.09
CIE LCh	76, 28.089, 269.797
Yxy	50.6208, 0.2552, 0.2687
Android (android.graphics.Color)	4288462832 (0xFF9CBFF0)
YUV	186.1210, 26.5623, -26.4161
Hunter-Lab	71.1483, -3.8905, -24.9402

Details

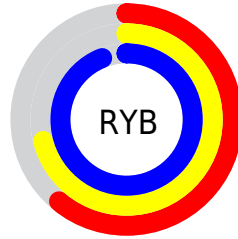
The Yxy color **50.6208, 0.2552, 0.2687** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.6296, 0.3775, 0.3824**, and the grayscale version is **49.0433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7386, 0.2868, 0.3207**, and **24.4624, 0.2406, 0.2534** is the 20% darker color. If you saturate the color by 10%, you get **42.6370, 0.2380, 0.2477**, and if you desaturate by 10%, it is **59.6665, 0.2724, 0.2882**.

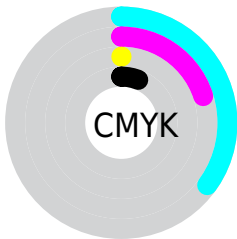
Distribution



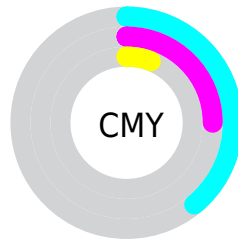
- Red (61%)
- Green (75%)
- Blue (94%)



- Red (61%)
- Yellow (71%)
- Blue (94%)



- Cyan (35%)
- Magenta (20%)
- Yellow (0%)
- Black (6%)



- Cyan (39%)
- Magenta (25%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6208, 0.2552, 0.2687 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 50.6208, 0.2552, 0.2687 by changing the saturation by 10% instead.

■ 50.6208, 0.2552,
0.2687

■ 50.6208, 0.2552,
0.2687

■ 389.0887, 0.2830,
0.2978

■ 35.9069, 0.2486,
0.2618

■ 91.0940, 0.2650,
0.2790

■ 24.3623, 0.2404,
0.2531

■ 117.6221, 0.2688,
0.2830

■ 15.6026, 0.2298,
0.2420

■ 148.8571, 0.2720,
0.2864

■ 9.2434, 0.2157,
0.2272

■ 185.1833, 0.2748,
0.2893

■ 4.9003, 0.1963,
0.2069

■ 226.9852, 0.2773,
0.2918

■ 2.1889, 0.1682,
0.1774

■ 274.6471, 0.2794,

■ 0.7139, 0.1242,

0.2941

0.1311

328.5535, 0.2813,
0.2961

0.0000, 0.0000,
0.0000

50.6208, 0.2552,
0.2687

50.6208, 0.2552,
0.2687

42.6370, 0.2380,
0.2477

59.6665, 0.2724,
0.2882

35.6649, 0.2214,
0.2255

69.8096, 0.2891,
0.3059

29.6584, 0.2058,
0.2026

81.0911, 0.3051,
0.3217

24.5647, 0.1921,
0.1798

93.5477, 0.3201,
0.3359

20.3244, 0.1809,
0.1578

99.0727, 0.3214,
0.3434

■ 16.8676, 0.1724,
0.1376

■ 15.3856, 0.1690,
0.1282

Harmonies

Analogous

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



50.6208, 0.2424, 0.2842



50.6208, 0.2552, 0.2687



50.6208, 0.2831, 0.2686

Triad

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



50.6208, 0.2552, 0.2687



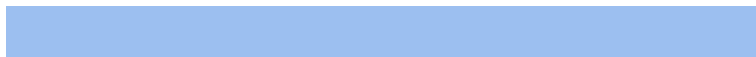
50.6208, 0.3833, 0.3375



50.6208, 0.3014, 0.3830

Complementary

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



50.6208, 0.2552, 0.2687



64.6296, 0.3775, 0.3824

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.



50.6208, 0.3395, 0.3975



50.6208, 0.2552, 0.2687



50.6208, 0.3882, 0.3679

Square

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



50.6208, 0.2552, 0.2687



50.6208, 0.3580, 0.3070



50.6208, 0.3716, 0.3906



50.6208, 0.2678, 0.3509

Rectangle

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



50.6208, 0.2552, 0.2687



50.6208, 0.3076, 0.2765



50.6208, 0.3716, 0.3906



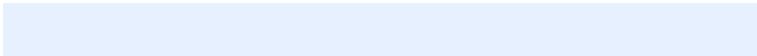
50.6208, 0.3141, 0.3902

Sweetspot

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



50.6228, 0.2552, 0.2687



86.3465, 0.2971, 0.3140



73.8161, 0.2812, 0.3713



18.0941, 0.2949, 0.3117



0.0000, 0.0000, 0.0000



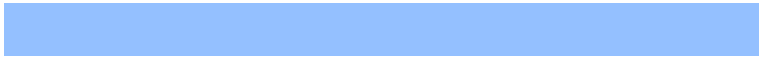
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.6228, 0.2552, 0.2687



51.4127, 0.2429, 0.2538



37.8744, 0.2542, 0.2253



16.3095, 0.2980, 0.3148



8.6690, 0.1698, 0.1311



0.9131, 0.1769, 0.1569

Inverse Universe

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



46.0817, 0.3612, 0.2908



46.2351, 0.3755, 0.2829



82.0644, 0.3604, 0.4178



15.8680, 0.3228, 0.3192



10.6685, 0.5311, 0.2699



0.9069, 0.4970, 0.2512

Previews

White Background



This preview shows how the Yxy color 50.6208, 0.2552, 0.2687 looks on a white background.

Color Contrast Check

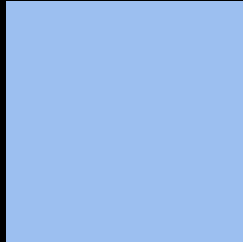
Large Text (above 18pt) WCAG AA × Fail

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 50.6208, 0.2552, 0.2687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

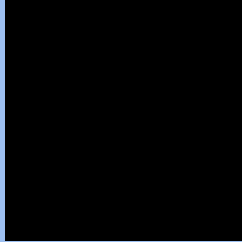
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

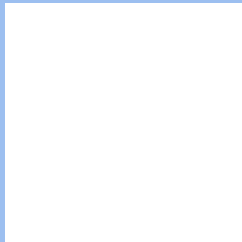
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.6208, 0.2552, 0.2687

Background



This preview shows how black text looks on a background with the Yxy color 50.6208, 0.2552, 0.2687.



This preview shows how white text looks on a background with the Yxy color 50.6208, 0.2552, 0.2687.

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

50.6208, 0.2552, 0.2687

Protanopia

50.4623, 0.2694, 0.2678

Deuteranopia

50.5138, 0.2682, 0.2626



Tritanopia

50.6229, 0.2678, 0.3080

Trichromacy



Original Color

50.6208, 0.2552, 0.2687

Protanomaly

50.5745, 0.2642, 0.2685

Deuteranomaly

50.4376, 0.2630, 0.2641

Tritanomaly

50.5329, 0.2635, 0.2931

Monochromacy



Original Color

50.6208, 0.2552, 0.2687

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.5366, 0.2892, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6208, 0.2552, 0.2687 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(156, 191, 240)` looks like.

```
.text, #text, p{  
    color:rgb(156, 191, 240)  
}
```

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(156, 191, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 191, 240) }
```

Border

The CSS property to change the border of an element to Yxy 50.6208, 0.2552, 0.2687 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(156, 191, 240) }
```

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

```
.border{ border-color:rgb(156, 191, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 191, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 191, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 191, 240);  
box-shadow:4px 4px 4px 4px rgb(156, 191,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6208, 0.2552, 0.2687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 191, 240) }
```

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

```
.background{ background-color: rgb(156,  
191, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor