

Converting Colors

$Yxy(57.9952, 0.2496, 0.2704)$

Have a look what the booklet for
Yxy(57.9952, 0.2496, 0.2704)
contains.

Yxy(57.8512, 0.2493, 0.2701)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.8512, 0.2493, 0.2701)

Conversions

Conversions Part 1

Format	Color
Hex	9BCDFF
RGB	155, 205, 255
RGB Percent	61%, 80%, 100%
CMY	0.3921, 0.1961, 0.0001
CMYK	0.39, 0.20, 0.00, 0.00
HSL	210°, 100%, 80%
HSV	210°, 39%, 100%
XYZ	53.3962, 57.8512, 102.9370
YIQ	195.7500, -45.8500, 4.9500

Conversions

Conversions Part 2

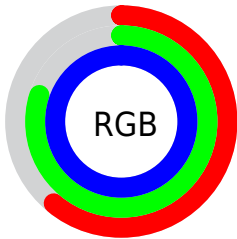
Format	Color
RYB	155, 188, 255
Decimal	10210815
CIELab	80.66, -4.05, -29.64
CIELCh	81, 29.919, 262.212
Yxy	57.8512, 0.2493, 0.2701
Android (android.graphics.Color)	4288400895 (0xFF9BCDFF)
YUV	195.7500, 29.2102, -35.7377
Hunter-Lab	76.0600, -7.7931, -26.9991

Details

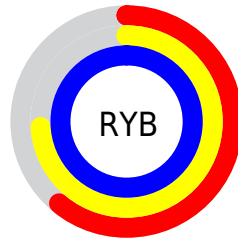
The Yxy color **57.8512, 0.2493, 0.2701** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.2740, 0.3905, 0.3809**, and the grayscale version is **54.8886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **28.8631, 0.2339, 0.2557** is the 20% darker color. If you saturate the color by 10%, you get **49.7397, 0.2332, 0.2517**, and if you desaturate by 10%, it is **66.9965, 0.2658, 0.2872**.

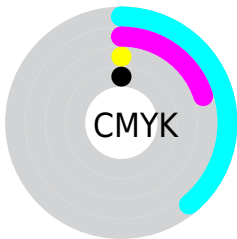
Distribution



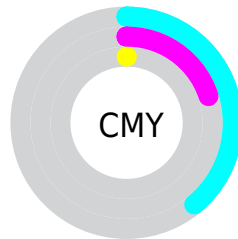
- Red (61%)
- Green (80%)
- Blue (100%)



- Red (61%)
- Yellow (74%)
- Blue (100%)



- Cyan (39%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8512, 0.2493, 0.2701 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 57.8512, 0.2493, 0.2701 by changing the saturation by 10% instead.

 57.8512, 0.2493,
0.2701


 57.8512, 0.2493,
0.2701


416.6312, 0.2791,
0.2981

 41.6890, 0.2425,
0.2636


 101.7061, 0.2597,
0.2799

 28.8579, 0.2340,
0.2555

 130.1677, 0.2637,
0.2837

 18.9733, 0.2233,
0.2452


163.4979, 0.2672,
0.2870

 11.6510, 0.2095,
0.2317

202.0810, 0.2702,
0.2898

 6.5065, 0.1909,
0.2135

246.3015, 0.2728,
0.2923

 3.1554, 0.1649,
0.1876

296.5438, 0.2751,

 1.2134, 0.1274,

0.2944

0.1493

353.1922, 0.2772,
0.2964

0.0726, 0.0000,
0.0261

0.0000, 0.0000,
0.0000

57.8512, 0.2493,
0.2701

57.8512, 0.2493,
0.2701

49.7397, 0.2332,
0.2517

66.9965, 0.2658,
0.2872

42.6097, 0.2181,
0.2325

77.2111, 0.2823,
0.3030

36.4135, 0.2045,
0.2127

88.5367, 0.2984,
0.3172

31.0954, 0.1929,
0.1930

99.9983, 0.3127,
0.3290

■ 26.5911, 0.1836,
0.1739

■ 22.8098, 0.1768,
0.1559

■ 22.5326, 0.1763,
0.1545

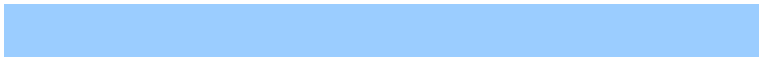
Harmonies

Analogous

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



57.8512, 0.2406, 0.2897



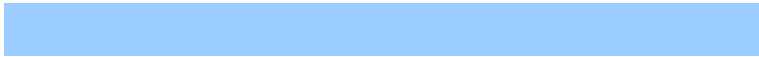
57.8512, 0.2493, 0.2701



57.8512, 0.2742, 0.2662

Triad

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



57.8512, 0.2493, 0.2701



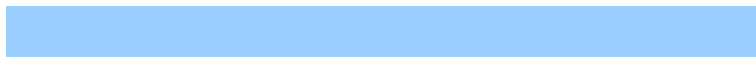
57.8512, 0.3799, 0.3295



57.8512, 0.3109, 0.3898

Complementary

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



57.8512, 0.2493, 0.2701



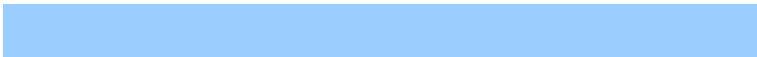
67.2740, 0.3905, 0.3809

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.



57.8512, 0.3492, 0.3990



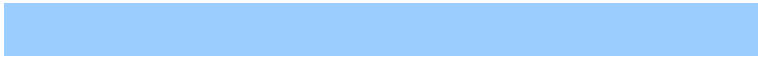
57.8512, 0.2493, 0.2701



57.8512, 0.3905, 0.3611

Square

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



57.8512, 0.2493, 0.2701



57.8512, 0.3499, 0.2995



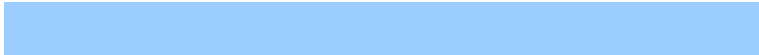
57.8512, 0.3787, 0.3871



57.8512, 0.2747, 0.3606

Rectangle

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



57.8512, 0.2493, 0.2701



57.8512, 0.2976, 0.2719



57.8512, 0.3787, 0.3871



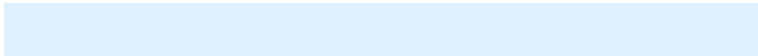
57.8512, 0.3240, 0.3954

Sweetspot

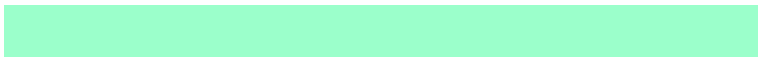
The Sweet Spot groups the original color and five complimentary colors.



57.8534, 0.2493, 0.2701



85.2775, 0.2939, 0.3134



82.8004, 0.2829, 0.3898



17.9313, 0.2918, 0.3116



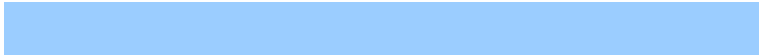
0.0000, 0.0000, 0.0000



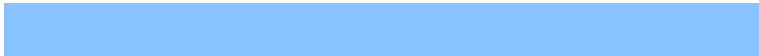
21.4041, 0.3127, 0.3290

Same Dimension

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



57.8534, 0.2493, 0.2701



51.4548, 0.2367, 0.2559



38.1923, 0.2401, 0.2105



18.8789, 0.2979, 0.3168



12.0750, 0.1771, 0.1574



1.3941, 0.1828, 0.1780

Inverse Universe

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



49.1091, 0.3615, 0.2775



42.5741, 0.3757, 0.2676



94.0672, 0.3723, 0.4251



18.1386, 0.3215, 0.3172



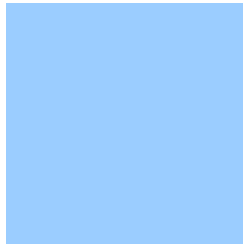
11.9469, 0.4964, 0.2508



1.1853, 0.4710, 0.2368

Previews

White Background



This preview shows how the Yxy color 57.8512, 0.2493, 0.2701 looks on a white background.

Color Contrast Check

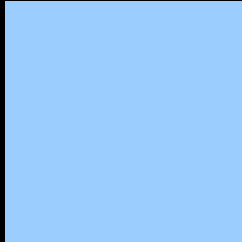
Large Text (above 18pt) WCAG AA × Fail

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 57.8512, 0.2493, 0.2701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

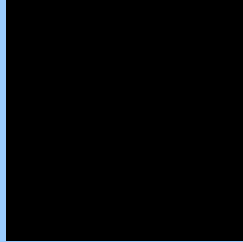
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

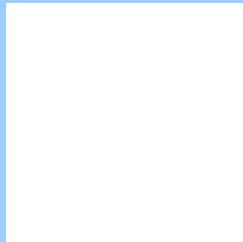
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.8512, 0.2493, 0.2701

Background



This preview shows how black text looks on a background with the Yxy color 57.8512, 0.2493, 0.2701.



This preview shows how white text looks on a background with the Yxy color 57.8512, 0.2493, 0.2701.

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

57.8512, 0.2493, 0.2701

Protanopia

57.3994, 0.2702, 0.2687

Deuteranopia

57.5187, 0.2685, 0.2628



Tritanopia

57.9351, 0.2608, 0.3076

Trichromacy



Original Color

57.8512, 0.2493, 0.2701

Protanomaly

57.4508, 0.2617, 0.2690

Deuteranomaly

57.4140, 0.2612, 0.2649

Tritanomaly

57.8055, 0.2568, 0.2934

Monochromacy



Original Color

57.8512, 0.2493, 0.2701

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.6804, 0.2868, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8512, 0.2493, 0.2701 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(155, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 205, 255)  
}
```

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(155, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 57.8512, 0.2493, 0.2701 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(155, 205, 255) }
```

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

```
.border{ border-color:rgb(155, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 205, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 205, 255); box-shadow:4px 4px 4px 4px rgb(155, 205, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8512, 0.2493, 0.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 205, 255) }
```

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

```
.background{ background-color: rgb(155,  
205, 255) }
```

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