

Converting Colors

$Yxy(57.9623, 0.2337, 0.2756)$

Have a look what the booklet for
Yxy(57.9623, 0.2337, 0.2756)
contains.

Yxy(57.8016, 0.2337, 0.2752)	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(57.8016, 0.2337, 0.2752)

Conversions

Conversions Part 1

Format	Color
Hex	78D3FF
RGB	120, 211, 255
RGB Percent	47%, 83%, 100%
CMY	0.5294, 0.1725, 0.0001
CMYK	0.53, 0.17, 0.00, 0.00
HSL	200°, 100%, 74%
HSV	200°, 53%, 100%
XYZ	49.0852, 57.8016, 103.1481
YIQ	188.8070, -68.3600, -5.6080

Conversions

Conversions Part 2

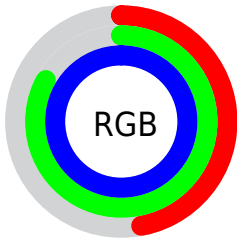
Format	Color
R_{YB}	120, 174, 255
Decimal	7918591
CIE _{Lab}	80.63, -15.35, -29.82
CIE _{LCh}	81, 33.543, 242.764
Yxy	57.8016, 0.2337, 0.2752
Android (android.graphics.Color)	4286108671 (0xFF78D3FF)
YUV	188.8070, 32.6331, -60.3437
Hunter-Lab	76.0274, -17.8039, -27.2210

Details

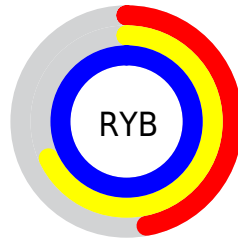
The Yxy color **57.8016, 0.2337, 0.2752** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.1468, 0.4411, 0.3745**, and the grayscale version is **50.6131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **28.6664, 0.2150, 0.2605** is the 20% darker color. If you saturate the color by 10%, you get **52.1965, 0.2216, 0.2629**, and if you desaturate by 10%, it is **64.1094, 0.2472, 0.2870**.

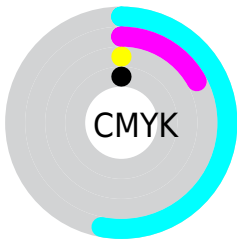
Distribution



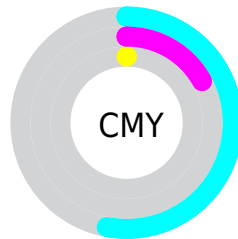
- Red (47%)
- Green (83%)
- Blue (100%)



- Red (47%)
- Yellow (68%)
- Blue (100%)



- Cyan (53%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8016, 0.2337, 0.2752 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 57.8016, 0.2337, 0.2752 by changing the saturation by 10% instead.

 57.8016, 0.2337,
0.2752


 57.8016, 0.2337,
0.2752

416.4462, 0.2704,
0.3014


 41.6492, 0.2254,
0.2690

 101.6339, 0.2464,
0.2845

 28.8267, 0.2152,
0.2612

 130.0825, 0.2513,
0.2881

 18.9497, 0.2024,
0.2511


 163.3987, 0.2556,
0.2911

 11.6340, 0.1860,
0.2378

201.9668, 0.2593,
0.2937

 6.4950, 0.1644,
0.2196

246.1712, 0.2626,
0.2960

 3.1483, 0.1352,
0.1933

296.3963, 0.2655,

 1.2096, 0.0945,

0.2980

0.1538

353.0265, 0.2681,
0.2998

0.0696, 0.0000,
0.0249

0.0000, 0.0000,
0.0000

57.8016, 0.2337,
0.2752

57.8016, 0.2337,
0.2752

52.1965, 0.2216,
0.2629

64.1094, 0.2472,
0.2870

47.2450, 0.2113,
0.2503

71.1516, 0.2618,
0.2981

42.9005, 0.2030,
0.2377

78.9654, 0.2770,
0.3085

39.1042, 0.1968,
0.2252

87.5831, 0.2926,
0.3180

■ 36.6935, 0.1935,
0.2166

■ 97.0347, 0.3082,
0.3266

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



57.8016, 0.2366, 0.3072



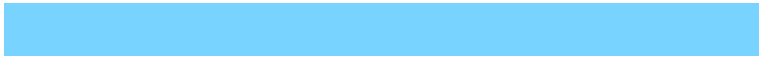
57.8016, 0.2337, 0.2752



57.8016, 0.2499, 0.2599

Triad

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



57.8016, 0.2337, 0.2752



57.8016, 0.3682, 0.3071



57.8016, 0.3386, 0.4072

Complementary

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



57.8016, 0.2337, 0.2752



49.1468, 0.4411, 0.3745

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.



57.8016, 0.3766, 0.4009



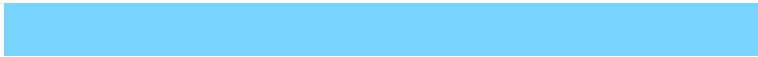
57.8016, 0.2337, 0.2752



57.8016, 0.3952, 0.3416

Square

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



57.8016, 0.2337, 0.2752



57.8016, 0.3260, 0.2787



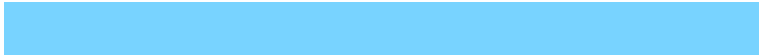
57.8016, 0.3980, 0.3757



57.8016, 0.2953, 0.3883

Rectangle

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



57.8016, 0.2337, 0.2752



57.8016, 0.2702, 0.2593



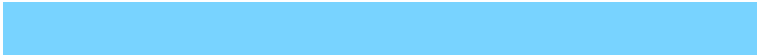
57.8016, 0.3980, 0.3757



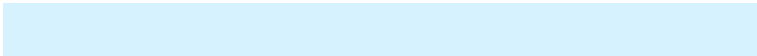
57.8016, 0.3525, 0.4078

Sweetspot

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



57.8037, 0.2337, 0.2752



84.8788, 0.2878, 0.3152



78.1270, 0.2859, 0.4460



17.7845, 0.2846, 0.3133



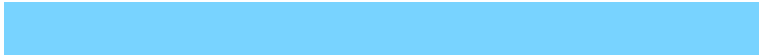
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



57.8037, 0.2337, 0.2752



51.6534, 0.2204, 0.2616



31.3845, 0.2161, 0.1891



19.4255, 0.2980, 0.3211



19.4623, 0.1941, 0.2186



2.0941, 0.1980, 0.2327

Inverse Universe

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



39.3909, 0.3614, 0.2385



33.1366, 0.3761, 0.2238



79.3277, 0.4020, 0.4370



18.1938, 0.3188, 0.3131



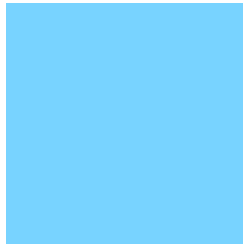
12.6927, 0.4247, 0.2113



1.2559, 0.4098, 0.2031

Previews

White Background



This preview shows how the Yxy color 57.8016, 0.2337, 0.2752 looks on a white background.

Color Contrast Check

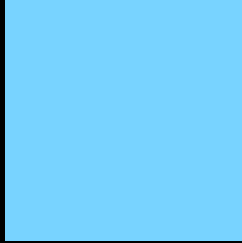
Large Text (above 18pt) WCAG AA × Fail

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 57.8016, 0.2337, 0.2752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

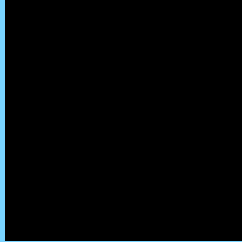
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

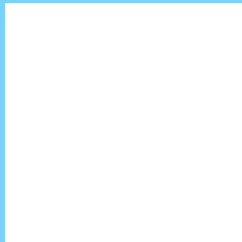
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.8016, 0.2337, 0.2752

Background



This preview shows how black text looks on a background with the Yxy color 57.8016, 0.2337, 0.2752.



This preview shows how white text looks on a background with the Yxy color 57.8016, 0.2337, 0.2752.

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

57.8016, 0.2337, 0.2752

Protanopia

57.2164, 0.2739, 0.2740

Deuteranopia

57.2647, 0.2672, 0.2625



Tritanopia

57.8718, 0.2416, 0.3070

Trichromacy



Original Color

57.8016, 0.2337, 0.2752

Protanomaly

56.8671, 0.2564, 0.2734

Deuteranomaly

56.7798, 0.2531, 0.2659

Tritanomaly

58.0292, 0.2390, 0.2960

Monochromacy



Original Color

57.8016, 0.2337, 0.2752

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.6291, 0.2773, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8016, 0.2337, 0.2752 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(120, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 211, 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(120, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 211, 255) }
```

Border

The CSS property to change the border of an element to Yxy 57.8016, 0.2337, 0.2752 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(120, 211, 255) }
```

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

```
.border{ border-color:rgb(120, 211, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 211,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8016, 0.2337, 0.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 211, 255) }
```

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

```
.background{ background-color: rgb(120,  
211, 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