

Converting Colors

$Y_{xy}(47.7400, 0.2193, 0.2495)$

Have a look what the booklet for
Yxy(47.7400, 0.2193, 0.2495)
contains.

Yxy(47.9013, 0.2195, 0.2500)	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(47.9013, 0.2195, 0.2500)

Conversions

Conversions Part 1

Format	Color
Hex	61C1FF
RGB	97, 193, 255
RGB Percent	38%, 76%, 100%
CMY	0.6193, 0.2432, 0.0000
CMYK	0.62, 0.24, 0.00, 0.00
HSL	204°, 100%, 69%
HSV	204°, 62%, 100%
XYZ	42.0573, 47.9013, 101.6466
YIQ	171.3640, -77.1180, -1.0700

Conversions

Conversions Part 2

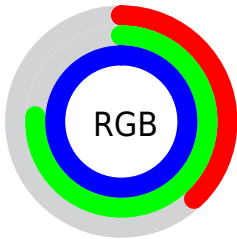
Format	Color
R _Y B	97, 157, 255
Decimal	6406655
CIE Lab	74.76, -10.21, -38.98
CIE LCh	75, 40.294, 255.326
Yxy	47.9013, 0.2195, 0.2500
Android (android.graphics.Color)	4284596735 (0xFF61C1FF)
YUV	171.3640, 41.2325, -65.2172
Hunter-Lab	69.2108, -12.6497, -38.6289

Details

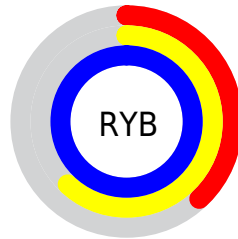
The Yxy color **47.9013, 0.2195, 0.2500** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.9537, 0.4643, 0.3906**, and the grayscale version is **40.7455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4449, 0.2596, 0.3222**, and **22.8334, 0.1973, 0.2302** is the 20% darker color. If you saturate the color by 10%, you get **42.4398, 0.2080, 0.2346**, and if you desaturate by 10%, it is **54.1145, 0.2327, 0.2650**.

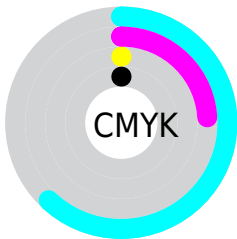
Distribution



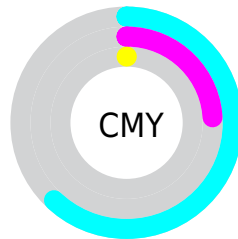
- Red (38%)
- Green (76%)
- Blue (100%)



- Red (38%)
- Yellow (62%)
- Blue (100%)



- Cyan (62%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9013, 0.2195, 0.2500 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 47.9013, 0.2195, 0.2500 by changing the saturation by 10% instead.

47.9013, 0.2195,
0.2500

47.9013, 0.2195,
0.2500

378.4008, 0.2637,
0.2887

33.7487, 0.2093,
0.2408

87.0574, 0.2349,
0.2637

22.7006, 0.1969,
0.2294

112.8298, 0.2409,
0.2690

14.3726, 0.1812,
0.2148

143.2442, 0.2461,
0.2735

8.3803, 0.1611,
0.1956

178.6850, 0.2505,
0.2773

4.3392, 0.1350,
0.1699

219.5367, 0.2544,
0.2807

1.8651, 0.1006,
0.1345

266.1836, 0.2579,

0.5273, 0.0389,

0.2837

0.0815

319.0102, 0.2610,
0.2863

0.0000, 0.0000,
0.0000

47.9013, 0.2195,
0.2500

47.9013, 0.2195,
0.2500

42.4398, 0.2080,
0.2346

54.1145, 0.2327,
0.2650

37.6765, 0.1985,
0.2192

61.1213, 0.2472,
0.2794

33.5522, 0.1912,
0.2041

68.9631, 0.2625,
0.2929

30.6187, 0.1867,
0.1922

77.6767, 0.2783,
0.3054

87.2966, 0.2941,
0.3168

97.8551, 0.3098,
0.3271

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



47.9013, 0.2130, 0.2808



47.9013, 0.2195, 0.2500



47.9013, 0.2483, 0.2411

Triad

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



47.9013, 0.2195, 0.2500



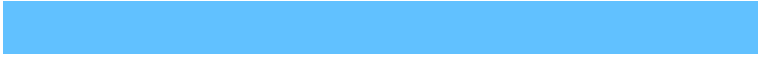
47.9013, 0.4016, 0.3181



47.9013, 0.3213, 0.4247

Complementary

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



47.9013, 0.2195, 0.2500



46.9537, 0.4643, 0.3906

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.



47.9013, 0.3743, 0.4278



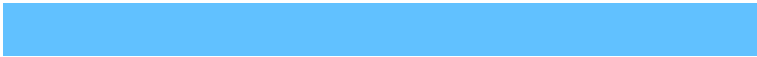
47.9013, 0.2195, 0.2500



47.9013, 0.4238, 0.3616

Square

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



47.9013, 0.2195, 0.2500



47.9013, 0.3530, 0.2793



47.9013, 0.4127, 0.4020



47.9013, 0.2686, 0.3871

Rectangle

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



47.9013, 0.2195, 0.2500



47.9013, 0.2785, 0.2463



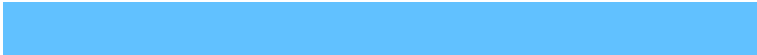
47.9013, 0.4127, 0.4020



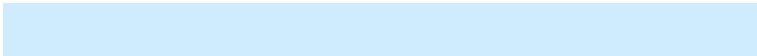
47.9013, 0.3397, 0.4297

Sweetspot

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



47.9022, 0.2195, 0.2500



80.3971, 0.2829, 0.3089



76.5217, 0.2791, 0.4559



16.6391, 0.2784, 0.3055



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.



47.9022, 0.2195, 0.2500



41.3967, 0.2058, 0.2314



22.1442, 0.1963, 0.1490



19.2138, 0.2979, 0.3194



16.2982, 0.1874, 0.1946



1.7998, 0.1921, 0.2115

Inverse Universe

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



33.6752, 0.3860, 0.2357



28.5238, 0.4074, 0.2255



82.4482, 0.4101, 0.4596



18.1724, 0.3199, 0.3147



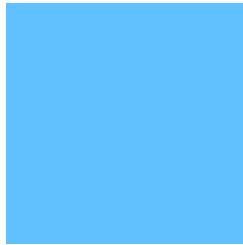
12.3733, 0.4514, 0.2260



1.2262, 0.4324, 0.2156

Previews

White Background



This preview shows how the Yxy color 47.9013, 0.2195, 0.2500 looks on a white background.

Color Contrast Check

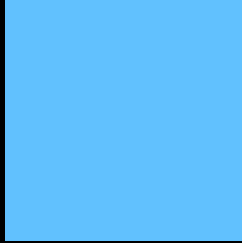
Large Text (above 18pt) WCAG AA × Fail

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 47.9013, 0.2195, 0.2500 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

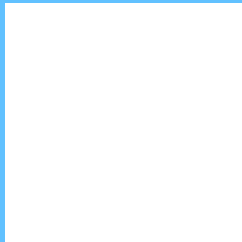
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.9013, 0.2195, 0.2500

Background



This preview shows how black text looks on a background with the Yxy color 47.9013, 0.2195, 0.2500.



This preview shows how white text looks on a background with the Yxy color 47.9013, 0.2195, 0.2500.

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

47.9013, 0.2195, 0.2500

Protanopia

47.5328, 0.2558, 0.2517

Deuteranopia

47.4358, 0.2459, 0.2406



Tritanopia

47.9287, 0.2318, 0.3062

Trichromacy



Original Color

47.9013, 0.2195, 0.2500

Protanomaly

47.1129, 0.2399, 0.2497

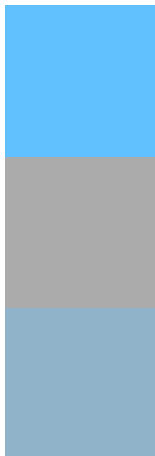
Deuteranomaly

47.0688, 0.2343, 0.2429

Tritanomaly

47.6241, 0.2270, 0.2839

Monochromacy



Original Color

47.9013, 0.2195, 0.2500

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.4338, 0.2681, 0.2972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9013, 0.2195, 0.2500 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(97, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 193, 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(97, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 193, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.9013, 0.2195, 0.2500 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(97, 193, 255) }
```

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

```
.border{ border-color:rgb(97, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 193,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9013, 0.2195, 0.2500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 193, 255) }
```

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

```
.background{ background-color: rgb(97, 193,  
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