

Converting Colors

$Y_{xy}(47.7938, 0.2214, 0.2492)$

Have a look what the booklet for
Yxy(47.7938, 0.2214, 0.2492)
contains.

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Color

Yxy(47.8028, 0.2214, 0.2491)

Conversions

Conversions Part 1

Format	Color
Hex	67C0FF
RGB	103, 192, 255
RGB Percent	40%, 75%, 100%
CMY	0.5964, 0.2470, 0.0000
CMYK	0.60, 0.25, 0.00, 0.00
HSL	205°, 100%, 70%
HSV	205°, 60%, 100%
XYZ	42.4871, 47.8028, 101.6121
YIQ	172.5710, -73.2670, 0.7250

Conversions

Conversions Part 2

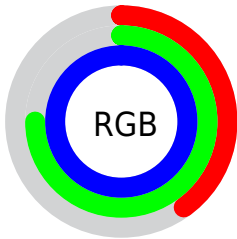
Format	Color
RYB	103, 159, 255
Decimal	6799615
CIELab	74.70, -8.65, -39.07
CIElCh	75, 40.010, 257.521
Yxy	47.8028, 0.2214, 0.2491
Android (android.graphics.Color)	4284989695 (0xFF67C0FF)
YUV	172.5710, 40.6375, -61.0138
Hunter-Lab	69.1396, -11.3038, -38.7389

Details

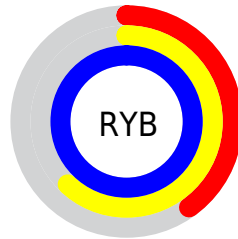
The Yxy color **47.8028, 0.2214, 0.2491** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.4712, 0.4544, 0.3923**, and the grayscale version is **41.3661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2473, 0.2613, 0.3211**, and **22.7246, 0.1992, 0.2289** is the 20% darker color. If you saturate the color by 10%, you get **42.0470, 0.2091, 0.2329**, and if you desaturate by 10%, it is **54.3516, 0.2353, 0.2649**.

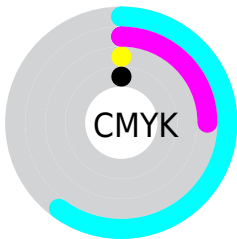
Distribution



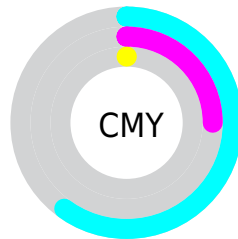
- Red (40%)
- Green (75%)
- Blue (100%)



- Red (40%)
- Yellow (62%)
- Blue (100%)



- Cyan (60%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8028, 0.2214, 0.2491 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 47.8028, 0.2214, 0.2491 by changing the saturation by 10% instead.

47.8028, 0.2214,
0.2491

47.8028, 0.2214,
0.2491

378.0099, 0.2648,
0.2881

33.6707, 0.2114,
0.2399

86.9107, 0.2366,
0.2629

22.6408, 0.1991,
0.2284

112.6554, 0.2424,
0.2682

14.3285, 0.1836,
0.2137

143.0397, 0.2475,
0.2728

8.3495, 0.1638,
0.1945

178.4481, 0.2519,
0.2767

4.3194, 0.1379,
0.1688

219.2649, 0.2557,
0.2801

1.8538, 0.1036,
0.1335

265.8745, 0.2591,

0.5204, 0.0437,

0.2831

0.0802

318.6614, 0.2621,
0.2857

0.0000, 0.0000,
0.0000

47.8028, 0.2214,
0.2491

47.8028, 0.2214,
0.2491

42.0470, 0.2091,
0.2329

54.3516, 0.2353,
0.2649

37.0328, 0.1989,
0.2166

61.7368, 0.2502,
0.2799

32.7019, 0.1908,
0.2005

69.9995, 0.2659,
0.2940

28.9657, 0.1848,
0.1850

79.1767, 0.2818,
0.3070

28.8404, 0.1846,
0.1845

89.3035, 0.2977,
0.3188

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.



47.8028, 0.2132, 0.2781



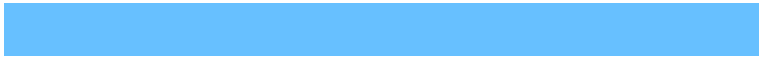
47.8028, 0.2214, 0.2491



47.8028, 0.2516, 0.2417

Triad

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



47.8028, 0.2214, 0.2491



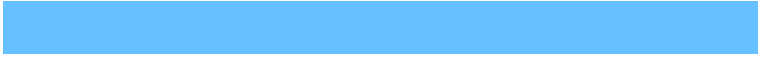
47.8028, 0.4037, 0.3212



47.8028, 0.3173, 0.4224

Complementary

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



47.8028, 0.2214, 0.2491



49.4712, 0.4544, 0.3923

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.



47.8028, 0.3705, 0.4281



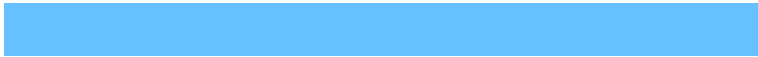
47.8028, 0.2214, 0.2491



47.8028, 0.4234, 0.3646

Square

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



47.8028, 0.2214, 0.2491



47.8028, 0.3568, 0.2821



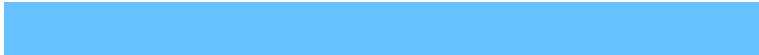
47.8028, 0.4101, 0.4041



47.8028, 0.2654, 0.3830

Rectangle

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



47.8028, 0.2214, 0.2491



47.8028, 0.2824, 0.2478



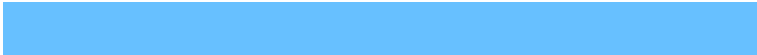
47.8028, 0.4101, 0.4041



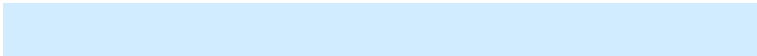
47.8028, 0.3356, 0.4283

Sweetspot

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



47.8031, 0.2214, 0.2491



80.7758, 0.2845, 0.3090



77.0692, 0.2785, 0.4469



16.6874, 0.2798, 0.3054



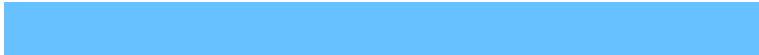
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



47.8031, 0.2214, 0.2491



40.8010, 0.2065, 0.2290



23.0823, 0.1999, 0.1532



19.1464, 0.2979, 0.3189



15.3713, 0.1853, 0.1870



1.7123, 0.1902, 0.2047

Inverse Universe

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



34.7484, 0.3861, 0.2413



29.0708, 0.4092, 0.2303



84.4344, 0.4056, 0.4579



18.1656, 0.3202, 0.3152



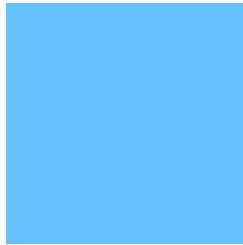
12.2797, 0.4603, 0.2309



1.2174, 0.4399, 0.2197

Previews

White Background



This preview shows how the Yxy color 47.8028, 0.2214, 0.2491 looks on a white background.

Color Contrast Check

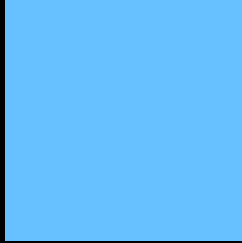
Large Text (above 18pt) WCAG AA × Fail

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 47.8028, 0.2214, 0.2491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

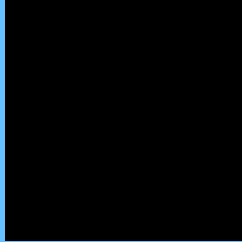
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

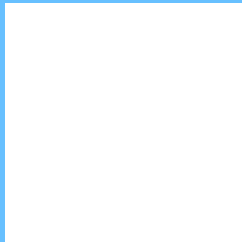
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8028, 0.2214, 0.2491

Background



This preview shows how black text looks on a background with the Yxy color 47.8028, 0.2214, 0.2491.



This preview shows how white text looks on a background with the Yxy color 47.8028, 0.2214, 0.2491.

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

47.8028, 0.2214, 0.2491

Protanopia

47.1889, 0.2551, 0.2494

Deuteranopia

47.4358, 0.2459, 0.2406



Tritanopia

47.7316, 0.2344, 0.3063

Trichromacy



Original Color

47.8028, 0.2214, 0.2491

Protanomaly

46.8713, 0.2408, 0.2486

Deuteranomaly

47.2363, 0.2353, 0.2432

Tritanomaly

47.4683, 0.2289, 0.2827

Monochromacy



Original Color

47.8028, 0.2214, 0.2491

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.2502, 0.2705, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8028, 0.2214, 0.2491 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(103, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 192, 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(103, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 192, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.8028, 0.2214, 0.2491 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(103, 192, 255) }
```

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

```
.border{ border-color:rgb(103, 192, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 192,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8028, 0.2214, 0.2491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 192, 255) }
```

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

```
.background{ background-color: rgb(103,  
192, 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](#).

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