

Converting Colors

$Yxy(54.9685, 0.1957, 0.1766)$

Have a look what the booklet for
Yxy(54.9685, 0.1957, 0.1766)
contains.

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Color

Yxy(47.7966, 0.2240, 0.2483)

Conversions

Conversions Part 1

Format	Color
Hex	6EBFFF
RGB	110, 191, 255
RGB Percent	43%, 75%, 100%
CMY	0.5684, 0.2510, 0.0000
CMYK	0.57, 0.25, 0.00, 0.00
HSL	206°, 100%, 72%
HSV	206°, 57%, 100%
XYZ	43.1190, 47.7966, 101.5798
YIQ	174.0770, -68.8200, 2.7320

Conversions

Conversions Part 2

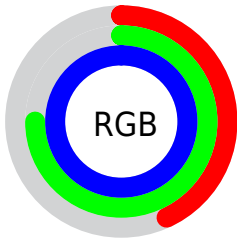
Format	Color
R _Y B	110, 162, 255
Decimal	7258111
CIE Lab	74.70, -6.74, -39.05
CIE LCh	75, 39.629, 260.204
Yxy	47.7966, 0.2240, 0.2483
Android (android.graphics.Color)	4285448191 (0xFF6EBFFF)
YUV	174.0770, 39.8950, -56.1955
Hunter-Lab	69.1351, -9.6575, -38.7199

Details

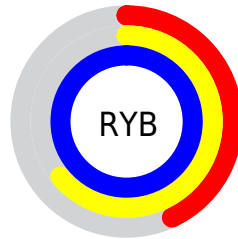
The Yxy color **47.7966, 0.2240, 0.2483** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.6855, 0.4428, 0.3940**, and the grayscale version is **42.1934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2876, 0.2641, 0.3201**, and **22.7053, 0.2024, 0.2279** is the 20% darker color. If you saturate the color by 10%, you get **41.6645, 0.2109, 0.2310**, and if you desaturate by 10%, it is **54.7773, 0.2386, 0.2650**.

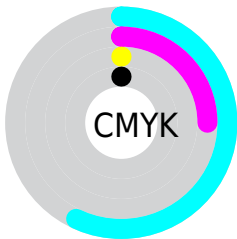
Distribution



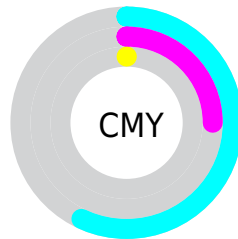
- Red (43%)
- Green (75%)
- Blue (100%)



- Red (43%)
- Yellow (64%)
- Blue (100%)



- Cyan (57%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)





- Cyan (57%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7966, 0.2240, 0.2483 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 47.7966, 0.2240, 0.2483 by changing the saturation by 10% instead.


 47.7966, 0.2240,
0.2483

 47.7966, 0.2240,
0.2483


377.9853, 0.2663,
0.2875

 33.6658, 0.2142,
0.2390


 86.9015, 0.2388,
0.2622

 22.6370, 0.2022,
0.2275


 112.6444, 0.2445,
0.2675

 14.3257, 0.1871,
0.2129


 143.0268, 0.2494,
0.2721

 8.3475, 0.1676,
0.1937

178.4331, 0.2537,
0.2760

 4.3181, 0.1420,
0.1680

219.2478, 0.2574,
0.2795

 1.8531, 0.1079,
0.1328

265.8551, 0.2607,

 0.5199, 0.0505,

0.2825

0.0796

318.6395, 0.2636,
0.2852

0.0000, 0.0000,
0.0000

47.7966, 0.2240,
0.2483

47.7966, 0.2240,
0.2483

41.6645, 0.2109,
0.2310

54.7773, 0.2386,
0.2650

36.3304, 0.1996,
0.2136

62.6509, 0.2541,
0.2809

31.7370, 0.1905,
0.1963

71.4585, 0.2702,
0.2956

27.8133, 0.1837,
0.1798

81.2380, 0.2863,
0.3091

26.6814, 0.1819,
0.1747

92.0250, 0.3021,
0.3214

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.



47.7966, 0.2139, 0.2752



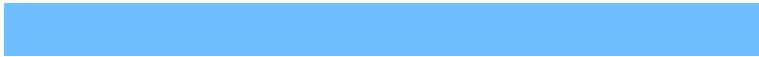
47.7966, 0.2240, 0.2483



47.7966, 0.2558, 0.2428

Triad

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



47.7966, 0.2240, 0.2483



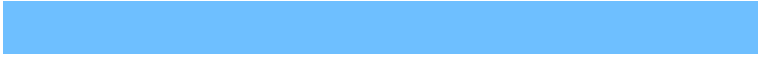
47.7966, 0.4059, 0.3251



47.7966, 0.3124, 0.4192

Complementary

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



47.7966, 0.2240, 0.2483



52.6855, 0.4428, 0.3940

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.



47.7966, 0.3656, 0.4281



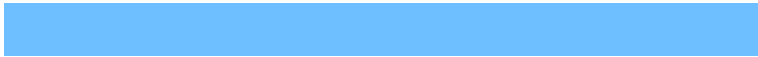
47.7966, 0.2240, 0.2483



47.7966, 0.4225, 0.3681

Square

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



47.7966, 0.2240, 0.2483



47.7966, 0.3613, 0.2857



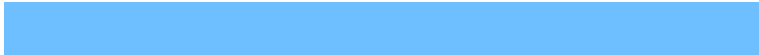
47.7966, 0.4067, 0.4064



47.7966, 0.2618, 0.3778

Rectangle

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



47.7966, 0.2240, 0.2483



47.7966, 0.2873, 0.2499



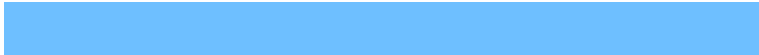
47.7966, 0.4067, 0.4064



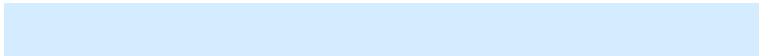
47.7966, 0.3306, 0.4261

Sweetspot

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



47.7968, 0.2240, 0.2483



81.0730, 0.2860, 0.3089



77.8508, 0.2771, 0.4338



16.9160, 0.2828, 0.3063



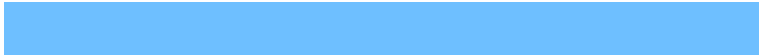
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



47.7968, 0.2240, 0.2483



41.0055, 0.2094, 0.2290



23.9051, 0.2042, 0.1566



19.0603, 0.2979, 0.3182



14.2443, 0.1826, 0.1773



1.6048, 0.1878, 0.1961

Inverse Universe

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



36.1860, 0.3859, 0.2483



30.4658, 0.4079, 0.2376



87.8962, 0.3992, 0.4569



18.1569, 0.3206, 0.3158



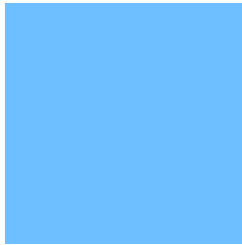
12.1659, 0.4717, 0.2372



1.2066, 0.4497, 0.2251

Previews

White Background



This preview shows how the Yxy color 47.7966, 0.2240, 0.2483 looks on a white background.

Color Contrast Check

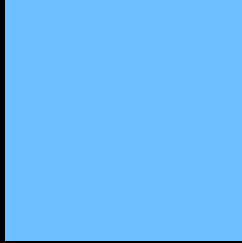
Large Text (above 18pt) WCAG AA × Fail

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 47.7966, 0.2240, 0.2483 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

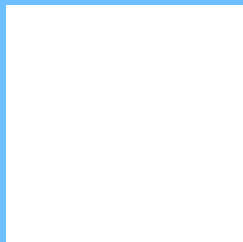
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7966, 0.2240, 0.2483

Background



This preview shows how black text looks on a background with the Yxy color 47.7966, 0.2240, 0.2483.



This preview shows how white text looks on a background with the Yxy color 47.7966, 0.2240, 0.2483.

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

47.7966, 0.2240, 0.2483

Protanopia

47.2504, 0.2545, 0.2484

Deuteranopia

47.4358, 0.2459, 0.2406



Tritanopia

47.6741, 0.2372, 0.3050

Trichromacy



Original Color

47.7966, 0.2240, 0.2483

Protanomaly

47.1124, 0.2414, 0.2478

Deuteranomaly

47.4934, 0.2369, 0.2435

Tritanomaly

47.4527, 0.2318, 0.2817

Monochromacy



Original Color

47.7966, 0.2240, 0.2483

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.5336, 0.2727, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7966, 0.2240, 0.2483 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(110, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(110, 191, 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(110, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 191, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.7966, 0.2240, 0.2483 is called "border". The border property can be set on classes, ids or directly on the HTML element.

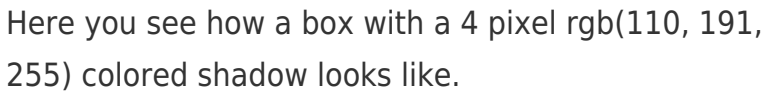
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 191, 255) }
```

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

```
.border{ border-color:rgb(110, 191, 255) }
```

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



Here you see how a box with a 4 pixel rgb(110, 191, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(110, 191,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7966, 0.2240, 0.2483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 191, 255) }
```

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

```
.background{ background-color: rgb(110,  
191, 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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