

# Converting Colors

$Yxy(47.4893, 0.2228, 0.2492)$

Have a look what the booklet for  
Yxy(47.4893, 0.2228, 0.2492)  
contains.

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# Color

**Yxy(47.4815, 0.2227, 0.2491)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6ABFFE
RGB	106, 191, 254
RGB Percent	42%, 75%, 100%
CMY	0.5849, 0.2509, 0.0040
CMYK	0.58, 0.25, 0.00, 0.00
HSL	206°, 99%, 71%
HSV	206°, 58%, 100%
XYZ	42.4493, 47.4815, 100.6814
YIQ	172.7670, -70.8830, 1.5730

# Conversions

## Conversions Part 2

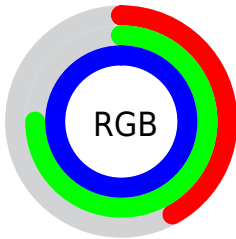
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	106, 160, 254
Decimal	6995966
CIELab	74.50, -7.88, -38.82
CIELCh	74, 39.610, 258.524
Yxy	47.4815, 0.2227, 0.2491
Android (android.graphics.Color)	4285186046 (0xFF6ABFFE)
YUV	172.7670, 40.0479, -58.5547
Hunter-Lab	68.9068, -10.6238, -38.3952

# Details

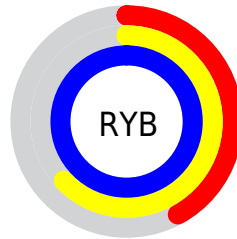
The Yxy color **47.4815, 0.2227, 0.2491** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.4163, 0.4490, 0.3929**, and the grayscale version is **41.4685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9570, 0.2626, 0.3200**, and **22.5153, 0.2008, 0.2288** is the 20% darker color. If you saturate the color by 10%, you get **41.6158, 0.2100, 0.2325**, and if you desaturate by 10%, it is **54.1581, 0.2369, 0.2652**.

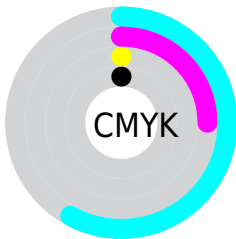
# Distribution



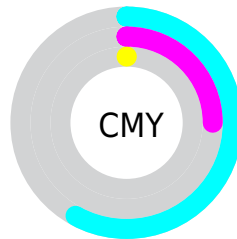
- Red (42%)
- Green (75%)
- Blue (100%)



- Red (42%)
- Yellow (63%)
- Blue (100%)



- Cyan (58%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (25%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4815, 0.2227, 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 47.4815, 0.2227, 0.2491 by changing the saturation by 10% instead.



47.4815, 0.2227,  
0.2491

47.4815, 0.2227,  
0.2491

376.7332, 0.2656,  
0.2881

33.4165, 0.2128,  
0.2399

86.4319, 0.2377,  
0.2629

22.4457, 0.2006,  
0.2284

112.0861, 0.2435,  
0.2682

14.1847, 0.1852,  
0.2137

142.3720, 0.2485,  
0.2728

8.2493, 0.1655,  
0.1945

177.6743, 0.2528,  
0.2767

4.2549, 0.1396,  
0.1687

218.3771, 0.2566,  
0.2801

1.8171, 0.1052,  
0.1332

264.8649, 0.2600,

0.4978, 0.0444,

0.2831

0.0787

317.5222, 0.2629,  
0.2857

0.0000, 0.0000,  
0.0000

47.4815, 0.2227,  
0.2491

47.4815, 0.2227,  
0.2491

41.6158, 0.2100,  
0.2325

54.1581, 0.2369,  
0.2652

36.5064, 0.1993,  
0.2157

61.6848, 0.2521,  
0.2806

32.0977, 0.1908,  
0.1991

70.1032, 0.2679,  
0.2949

28.3126, 0.1845,  
0.1832

79.4507, 0.2839,  
0.3081

27.7213, 0.1835,  
0.1806

89.7617, 0.2998,  
0.3200

99.9349, 0.3133,  
0.3300

# Harmonies

## Analogous

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



47.4815, 0.2138, 0.2772



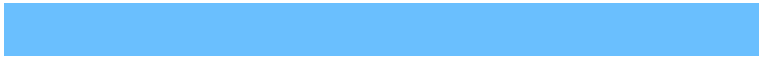
47.4815, 0.2227, 0.2491



47.4815, 0.2534, 0.2424

# Triad

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



47.4815, 0.2227, 0.2491



47.4815, 0.4042, 0.3228



47.4815, 0.3154, 0.4208

# Complementary

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



47.4815, 0.2227, 0.2491



50.4163, 0.4490, 0.3929

# 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.



47.4815, 0.3684, 0.4277



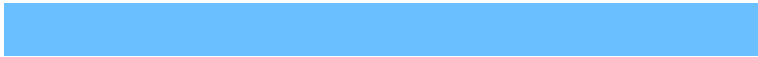
47.4815, 0.2227, 0.2491



47.4815, 0.4227, 0.3658

# Square

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



47.4815, 0.2227, 0.2491



47.4815, 0.3583, 0.2836



47.4815, 0.4085, 0.4047

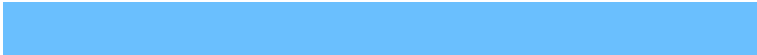


47.4815, 0.2643, 0.3808



# Rectangle

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



47.4815, 0.2227, 0.2491



47.4815, 0.2844, 0.2489



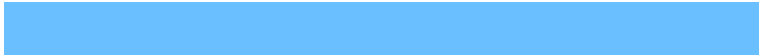
47.4815, 0.4085, 0.4047



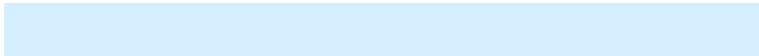
47.4815, 0.3336, 0.4270

# Sweetspot

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



47.4832, 0.2227, 0.2491



81.4869, 0.2860, 0.3097



76.7424, 0.2777, 0.4404



17.0139, 0.2828, 0.3072



0.0000, 0.0000, 0.0000

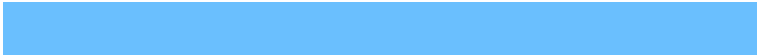


21.4041, 0.3127, 0.3290



# Same Dimension

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



47.4832, 0.2227, 0.2491



41.0683, 0.2081, 0.2296



23.2159, 0.2019, 0.1546



19.1121, 0.2979, 0.3186



14.9154, 0.1842, 0.1831



1.6689, 0.1893, 0.2013



# Inverse Universe

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



35.1106, 0.3857, 0.2444



29.7579, 0.4080, 0.2334



85.3980, 0.4024, 0.4576



18.1622, 0.3204, 0.3154



12.2337, 0.4648, 0.2334

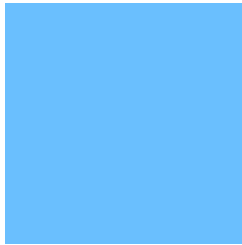


1.2130, 0.4438, 0.2219



# Previews

## White Background



This preview shows how the Yxy color 47.4815, 0.2227, 0.2491 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

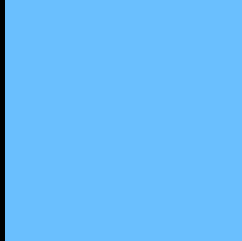
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.4815, 0.2227, 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

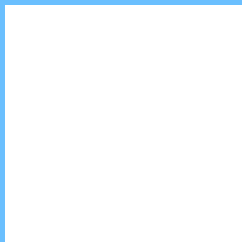
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.4815, 0.2227, 0.2491**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.4815, 0.2227, 0.2491.

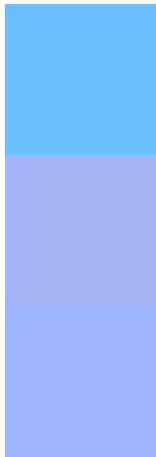


This preview shows how white text looks on a background with the Yxy color 47.4815, 0.2227, 0.2491.

# 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

47.4815, 0.2227, 0.2491

### Protanopia

47.1276, 0.2557, 0.2504

### Deuteranopia

47.0306, 0.2457, 0.2394



## Tritanopia

47.3671, 0.2357, 0.3063

# Trichromacy



**Original Color**

47.4815, 0.2227, 0.2491

**Protanomaly**

46.8979, 0.2418, 0.2498

**Deuteranomaly**

46.9043, 0.2356, 0.2420

**Tritanomaly**

47.1203, 0.2302, 0.2827

# Monochromacy



**Original Color**

47.4815, 0.2227, 0.2491

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

43.2963, 0.2719, 0.2989

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4815, 0.2227, 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(106, 191, 254)` looks like.

```
.text, #text, p{  
    color:rgb(106, 191, 254)  
}
```

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(106, 191, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 191, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4815, 0.2227, 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(106, 191, 254) }
```

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

```
.border{ border-color:rgb(106, 191, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 191, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 191, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 191, 254);  
box-shadow:4px 4px 4px 4px rgb(106, 191,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4815, 0.2227, 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(106, 191, 254) }
```

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

```
.background{ background-color: rgb(106,  
191, 254) }
```

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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