

Converting Colors

$Yxy(50.9147, 0.2175, 0.2418)$

Have a look what the booklet for
Yxy(50.9147, 0.2175, 0.2418)
contains.

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Color

Yxy(49.9773, 0.2226, 0.2557)

Conversions

Conversions Part 1

Format	Color
Hex	66C5FF
RGB	102, 197, 255
RGB Percent	40%, 77%, 100%
CMY	0.5995, 0.2275, 0.0000
CMYK	0.60, 0.23, 0.00, 0.00
HSL	203°, 100%, 70%
HSV	203°, 60%, 100%
XYZ	43.5078, 49.9773, 101.9678
YIQ	175.2070, -75.2380, -2.1020

Conversions

Conversions Part 2

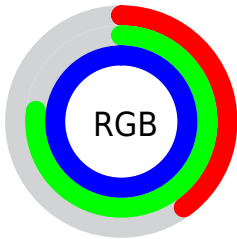
Format	Color
R _Y B	102, 161, 255
Decimal	6735359
CIE Lab	76.06, -11.45, -36.96
CIE LCh	76, 38.690, 252.788
Yxy	49.9773, 0.2226, 0.2557
Android (android.graphics.Color)	4284925439 (0xFF66C5FF)
YUV	175.2070, 39.3379, -64.2025
Hunter-Lab	70.6946, -13.8608, -36.0318

Details

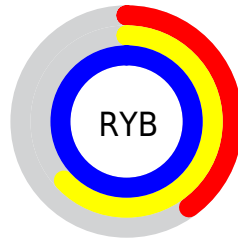
The Yxy color **49.9773, 0.2226, 0.2557** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.4173, 0.4593, 0.3872**, and the grayscale version is **42.8216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9961, 0.2622, 0.3278**, and **23.8606, 0.2006, 0.2360** is the 20% darker color. If you saturate the color by 10%, you get **44.4538, 0.2109, 0.2409**, and if you desaturate by 10%, it is **56.2437, 0.2359, 0.2701**.

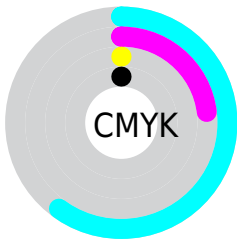
Distribution



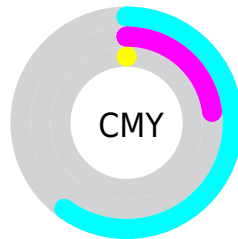
- Red (40%)
- Green (77%)
- Blue (100%)



- Red (40%)
- Yellow (63%)
- Blue (100%)



- Cyan (60%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9773, 0.2226, 0.2557 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 49.9773, 0.2226, 0.2557 by changing the saturation by 10% instead.

■ 49.9773, 0.2226,
0.2557

■ 49.9773, 0.2226,
0.2557

■ 386.5772, 0.2652,
0.2915

■ 35.3954, 0.2129,
0.2472

■ 90.1412, 0.2374,
0.2684

■ 23.9676, 0.2009,
0.2365

■ 116.4920, 0.2432,
0.2733

■ 15.3096, 0.1858,
0.2229

■ 147.5346, 0.2481,
0.2775

■ 9.0369, 0.1666,
0.2051

■ 183.6532, 0.2524,
0.2811

■ 4.7653, 0.1414,
0.1809

■ 225.2324, 0.2562,
0.2842

■ 2.1102, 0.1079,
0.1472

■ 272.6566, 0.2595,

■ 0.6704, 0.0529,

0.2869

0.0991

326.3100, 0.2625,
0.2894

0.0000, 0.0000,
0.0000

49.9773, 0.2226,
0.2557

49.9773, 0.2226,
0.2557

44.4538, 0.2109,
0.2409

56.2437, 0.2359,
0.2701

39.6207, 0.2012,
0.2260

63.2924, 0.2504,
0.2838

35.4220, 0.1937,
0.2113

71.1637, 0.2658,
0.2966

31.7677, 0.1881,
0.1970

79.8936, 0.2815,
0.3085

31.7488, 0.1881,
0.1970

89.5153, 0.2973,
0.3193

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.



49.9773, 0.2183, 0.2870



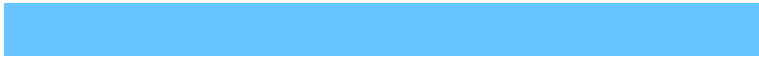
49.9773, 0.2226, 0.2557



49.9773, 0.2485, 0.2452

Triad

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



49.9773, 0.2226, 0.2557



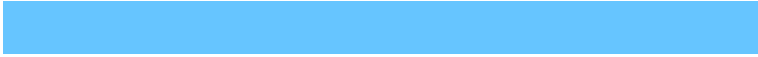
49.9773, 0.3937, 0.3154



49.9773, 0.3256, 0.4208

Complementary

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



49.9773, 0.2226, 0.2557



47.4173, 0.4593, 0.3872

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.



49.9773, 0.3752, 0.4215



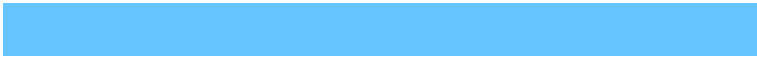
49.9773, 0.2226, 0.2557



49.9773, 0.4174, 0.3569

Square

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



49.9773, 0.2226, 0.2557



49.9773, 0.3465, 0.2791



49.9773, 0.4097, 0.3958



49.9773, 0.2749, 0.3878

Rectangle

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



49.9773, 0.2226, 0.2557



49.9773, 0.2763, 0.2491



49.9773, 0.4097, 0.3958



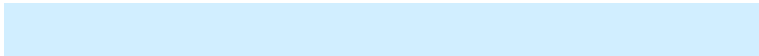
49.9773, 0.3430, 0.4246

Sweetspot

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



49.9785, 0.2226, 0.2557



81.6944, 0.2846, 0.3107



76.8280, 0.2807, 0.4545



16.9121, 0.2800, 0.3074



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.



49.9785, 0.2226, 0.2557



43.4060, 0.2088, 0.2379



24.1002, 0.2007, 0.1582



19.2552, 0.2979, 0.3198



16.8866, 0.1887, 0.1993



1.8551, 0.1933, 0.2157

Inverse Universe

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



34.8207, 0.3803, 0.2361



29.3338, 0.4005, 0.2246



81.4206, 0.4089, 0.4545



18.1766, 0.3197, 0.3144



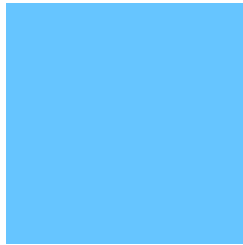
12.4327, 0.4461, 0.2231



1.2318, 0.4279, 0.2131

Previews

White Background



This preview shows how the Yxy color 49.9773, 0.2226, 0.2557 looks on a white background.

Color Contrast Check

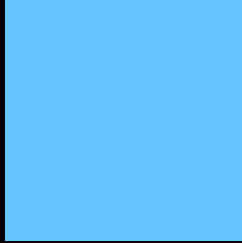
Large Text (above 18pt) WCAG AA × Fail

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 49.9773, 0.2226, 0.2557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

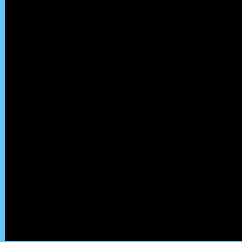
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

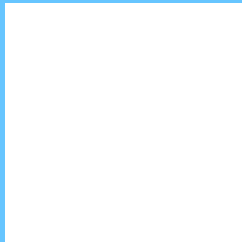
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9773, 0.2226, 0.2557

Background



This preview shows how black text looks on a background with the Yxy color 49.9773, 0.2226, 0.2557.



This preview shows how white text looks on a background with the Yxy color 49.9773, 0.2226, 0.2557.

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

49.9773, 0.2226, 0.2557

Protanopia

49.4196, 0.2602, 0.2562

Deuteranopia

49.3935, 0.2508, 0.2453



Tritanopia

49.9054, 0.2338, 0.3053

Trichromacy



Original Color

49.9773, 0.2226, 0.2557

Protanomaly

49.2545, 0.2435, 0.2554

Deuteranomaly

49.3660, 0.2389, 0.2488

Tritanomaly

49.9836, 0.2296, 0.2861

Monochromacy



Original Color

49.9773, 0.2226, 0.2557

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.6162, 0.2710, 0.3005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9773, 0.2226, 0.2557 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(102, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 197, 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(102, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 197, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.9773, 0.2226, 0.2557 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(102, 197, 255) }
```

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

```
.border{ border-color:rgb(102, 197, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 197,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9773, 0.2226, 0.2557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 197, 255) }
```

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

```
.background{ background-color: rgb(102,  
197, 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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