

Converting Colors

$Yxy(49.5413, 0.2214, 0.2548)$

Have a look what the booklet for
Yxy(49.5413, 0.2214, 0.2548)
contains.

Yxy(49.3525, 0.2211, 0.2542)	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(49.3525, 0.2211, 0.2542)

Conversions

Conversions Part 1

Format	Color
Hex	63C4FF
RGB	99, 196, 255
RGB Percent	39%, 77%, 100%
CMY	0.6122, 0.2313, 0.0000
CMYK	0.61, 0.23, 0.00, 0.00
HSL	203°, 100%, 69%
HSV	203°, 61%, 100%
XYZ	42.9262, 49.3525, 101.8696
YIQ	173.7230, -76.7510, -2.2150

Conversions

Conversions Part 2

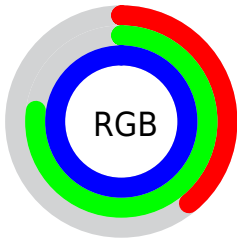
Format	Color
R _{YB}	99, 159, 255
Decimal	6538495
CIE Lab	75.67, -11.51, -37.56
CIE LCh	76, 39.283, 252.958
Yxy	49.3525, 0.2211, 0.2542
Android (android.graphics.Color)	4284728575 (0xFF63C4FF)
YUV	173.7230, 40.0696, -65.5321
Hunter-Lab	70.2513, -13.8697, -36.7989

Details

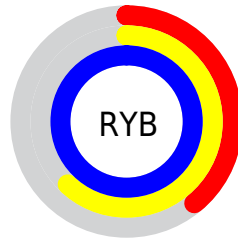
The Yxy color **49.3525, 0.2211, 0.2542** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.5711, 0.4637, 0.3878**, and the grayscale version is **41.9866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0476, 0.2607, 0.3266**, and **23.4619, 0.1988, 0.2339** is the 20% darker color. If you saturate the color by 10%, you get **43.9309, 0.2097, 0.2395**, and if you desaturate by 10%, it is **55.5098, 0.2342, 0.2686**.

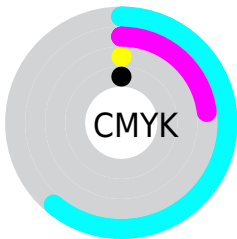
Distribution



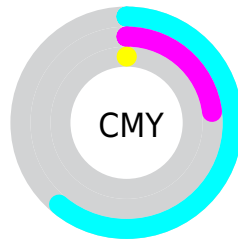
- Red (39%)
- Green (77%)
- Blue (100%)



- Red (39%)
- Yellow (62%)
- Blue (100%)



- Cyan (61%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3525, 0.2211, 0.2542 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 49.3525, 0.2211, 0.2542 by changing the saturation by 10% instead.


 49.3525, 0.2211,
0.2542

 49.3525, 0.2211,
0.2542


384.1284, 0.2644,
0.2908

 34.8992, 0.2112,
0.2455


 89.2148, 0.2362,
0.2672

 23.5852, 0.1990,
0.2346


 115.3925, 0.2420,
0.2722

 15.0262, 0.1837,
0.2207


 146.2472, 0.2471,
0.2764

 8.8378, 0.1641,
0.2025

182.1632, 0.2515,
0.2801

 4.6355, 0.1385,
0.1778

223.5249, 0.2553,
0.2833

 2.0350, 0.1048,
0.1436

270.7168, 0.2587,

 0.6277, 0.0473,

0.2861

0.0942

324.1231, 0.2617,
0.2886

0.0000, 0.0000,
0.0000

49.3525, 0.2211,
0.2542

49.3525, 0.2211,
0.2542

43.9309, 0.2097,
0.2395

55.5098, 0.2342,
0.2686

39.1902, 0.2003,
0.2246

62.4412, 0.2486,
0.2823

35.0736, 0.1930,
0.2100

70.1880, 0.2638,
0.2952

31.8959, 0.1882,
0.1976

78.7862, 0.2795,
0.3071

88.2696, 0.2953,
0.3180

98.6696, 0.3108,
0.3279

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



49.3525, 0.2166, 0.2858



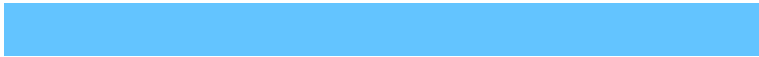
49.3525, 0.2211, 0.2542



49.3525, 0.2475, 0.2437

Triad

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



49.3525, 0.2211, 0.2542



49.3525, 0.3956, 0.3153



49.3525, 0.3254, 0.4226

Complementary

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



49.3525, 0.2211, 0.2542



46.5711, 0.4637, 0.3878

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.



49.3525, 0.3761, 0.4234



49.3525, 0.2211, 0.2542



49.3525, 0.4195, 0.3575

Square

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



49.3525, 0.2211, 0.2542



49.3525, 0.3474, 0.2783



49.3525, 0.4114, 0.3971



49.3525, 0.2738, 0.3888

Rectangle

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



49.3525, 0.2211, 0.2542



49.3525, 0.2759, 0.2478



49.3525, 0.4114, 0.3971



49.3525, 0.3432, 0.4266

Sweetspot

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



49.3543, 0.2211, 0.2542



81.7394, 0.2846, 0.3108



76.5711, 0.2804, 0.4577



16.9231, 0.2800, 0.3075



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.



49.3543, 0.2211, 0.2542



43.0375, 0.2078, 0.2368



23.2301, 0.1983, 0.1542



19.2606, 0.2979, 0.3198



16.9633, 0.1889, 0.1999



1.8623, 0.1934, 0.2162

Inverse Universe

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



34.1502, 0.3820, 0.2344



28.9864, 0.4018, 0.2236



81.1100, 0.4107, 0.4565



18.1772, 0.3196, 0.3143



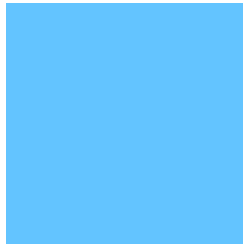
12.4404, 0.4454, 0.2227



1.2325, 0.4273, 0.2128

Previews

White Background



This preview shows how the Yxy color 49.3525, 0.2211, 0.2542 looks on a white background.

Color Contrast Check

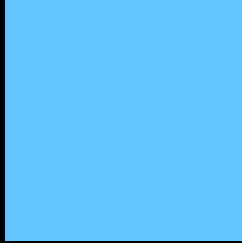
Large Text (above 18pt) WCAG AA × Fail

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 49.3525, 0.2211, 0.2542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

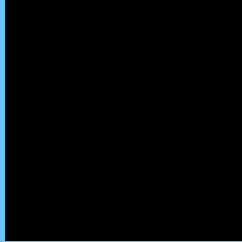
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

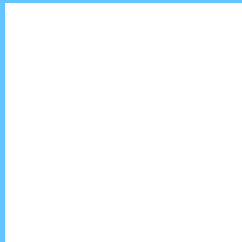
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.3525, 0.2211, 0.2542

Background



This preview shows how black text looks on a background with the Yxy color 49.3525, 0.2211, 0.2542.



This preview shows how white text looks on a background with the Yxy color 49.3525, 0.2211, 0.2542.

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

49.3525, 0.2211, 0.2542

Protanopia

48.7844, 0.2588, 0.2547

Deuteranopia

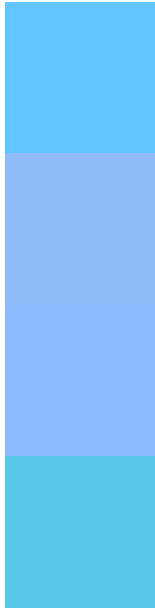
48.7684, 0.2494, 0.2438



Tritanopia

49.6202, 0.2324, 0.3066

Trichromacy



Original Color

49.3525, 0.2211, 0.2542

Protanomaly

48.6456, 0.2422, 0.2539

Deuteranomaly

48.6754, 0.2371, 0.2472

Tritanomaly

49.2095, 0.2279, 0.2857

Monochromacy



Original Color

49.3525, 0.2211, 0.2542

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.9707, 0.2701, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3525, 0.2211, 0.2542 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(99, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 196, 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(99, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.3525, 0.2211, 0.2542 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(99, 196, 255) }
```

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

```
.border{ border-color:rgb(99, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3525, 0.2211, 0.2542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 196, 255) }
```

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

```
.background{ background-color: rgb(99, 196,  
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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