

Converting Colors

$Yxy(49.8204, 0.2359, 0.2512)$

Have a look what the booklet for
Yxy(49.8204, 0.2359, 0.2512)
contains.

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Color

Yxy(49.6325, 0.2357, 0.2506)

Conversions

Conversions Part 1

Format	Color
Hex	87BFFF
RGB	135, 191, 255
RGB Percent	53%, 75%, 100%
CMY	0.4703, 0.2510, 0.0000
CMYK	0.47, 0.25, 0.00, 0.00
HSL	212°, 100%, 76%
HSV	212°, 47%, 100%
XYZ	46.6815, 49.6325, 101.7407
YIQ	181.5520, -53.9200, 8.0320

Conversions

Conversions Part 2

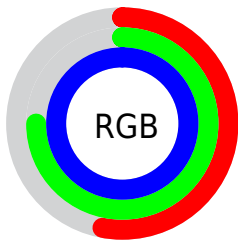
Format	Color
RYB	135, 173, 255
Decimal	8896511
CIELab	75.84, -1.38, -37.18
CIElCh	76, 37.203, 267.869
Yxy	49.6325, 0.2357, 0.2506
Android (android.graphics.Color)	4287086591 (0xFF87BFFF)
YUV	181.5520, 36.2099, -40.8261
Hunter-Lab	70.4503, -5.0112, -36.3083

Details

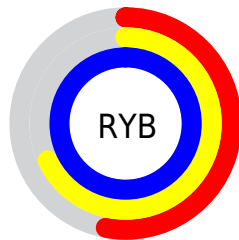
The Yxy color **49.6325, 0.2357, 0.2506** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.8921, 0.4084, 0.3950**, and the grayscale version is **46.3517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0790, 0.2760, 0.3204**, and **23.7907, 0.2164, 0.2312** is the 20% darker color. If you saturate the color by 10%, you get **42.1017, 0.2199, 0.2301**, and if you desaturate by 10%, it is **58.2229, 0.2523, 0.2701**.

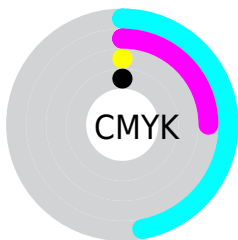
Distribution



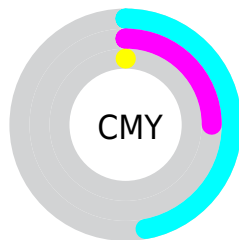
- Red (53%)
- Green (75%)
- Blue (100%)



- Red (53%)
- Yellow (68%)
- Blue (100%)



- Cyan (47%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6325, 0.2357, 0.2506 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 49.6325, 0.2357, 0.2506 by changing the saturation by 10% instead.

■ 49.6325, 0.2357,
0.2506

■ 49.6325, 0.2357,
0.2506

■ 385.2270, 0.2725,
0.2882

■ 35.1215, 0.2271,
0.2418

■ 89.6301, 0.2486,
0.2638

■ 23.7565, 0.2165,
0.2309

■ 115.8855, 0.2536,
0.2689

■ 15.1531, 0.2031,
0.2171

■ 146.8245, 0.2579,
0.2733

■ 8.9269, 0.1857,
0.1991

■ 182.8315, 0.2616,
0.2771

■ 4.6935, 0.1624,
0.1749

■ 224.2908, 0.2648,
0.2804

■ 2.0686, 0.1306,
0.1417

■ 271.5869, 0.2677,

■ 0.6469, 0.0838,

0.2833

0.0933

325.1042, 0.2702,
0.2859

0.0000, 0.0000,
0.0000

49.6325, 0.2357,
0.2506

49.6325, 0.2357,
0.2506

42.1017, 0.2199,
0.2301

58.2229, 0.2523,
0.2701

35.5767, 0.2054,
0.2091

67.9181, 0.2691,
0.2881

30.0007, 0.1928,
0.1880

78.7631, 0.2857,
0.3046

25.3085, 0.1826,
0.1677

90.7992, 0.3018,
0.3195

21.4204, 0.1751,
0.1487

100.0000, 0.3127,
0.3290

■ 20.3911, 0.1732,
0.1433

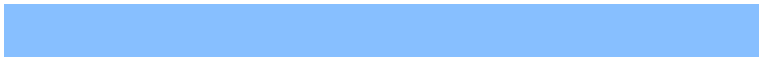
Harmonies

Analogous

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



49.6325, 0.2208, 0.2709



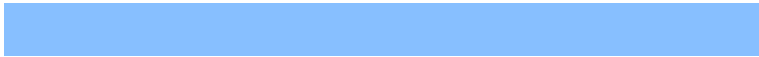
49.6325, 0.2357, 0.2506



49.6325, 0.2704, 0.2500

Triad

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



49.6325, 0.2357, 0.2506



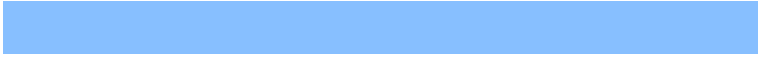
49.6325, 0.4058, 0.3361



49.6325, 0.3000, 0.4047

Complementary

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



49.6325, 0.2357, 0.2506



63.8921, 0.4084, 0.3950

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.



49.6325, 0.3502, 0.4216



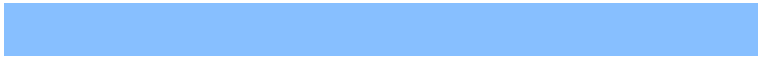
49.6325, 0.2357, 0.2506



49.6325, 0.4136, 0.3760

Square

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



49.6325, 0.2357, 0.2506



49.6325, 0.3701, 0.2975



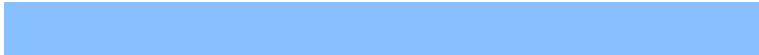
49.6325, 0.3923, 0.4084



49.6325, 0.2555, 0.3613

Rectangle

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



49.6325, 0.2357, 0.2506



49.6325, 0.3020, 0.2596



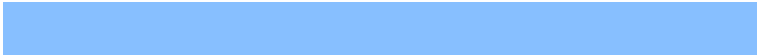
49.6325, 0.3923, 0.4084



49.6325, 0.3167, 0.4139

Sweetspot

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



49.6332, 0.2357, 0.2506



82.2869, 0.2907, 0.3093



80.8011, 0.2755, 0.3969



17.0739, 0.2872, 0.3060



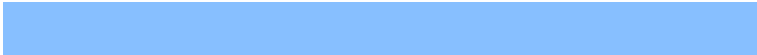
0.0000, 0.0000, 0.0000



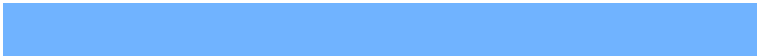
21.4041, 0.3127, 0.3290

Same Dimension

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



49.6332, 0.2357, 0.2506



42.8328, 0.2215, 0.2323



30.0601, 0.2253, 0.1812



18.7741, 0.2979, 0.3160



10.9472, 0.1740, 0.1463



1.2821, 0.1799, 0.1677

Inverse Universe

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



42.3669, 0.3802, 0.2716



36.1386, 0.4000, 0.2620



93.7807, 0.3796, 0.4454



18.1281, 0.3221, 0.3180



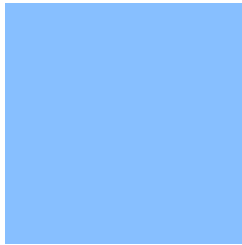
11.8331, 0.5107, 0.2587



1.1740, 0.4835, 0.2437

Previews

White Background



This preview shows how the Yxy color 49.6325, 0.2357, 0.2506 looks on a white background.

Color Contrast Check

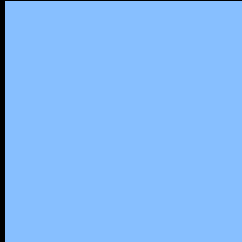
Large Text (above 18pt) WCAG AA × Fail

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 49.6325, 0.2357, 0.2506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

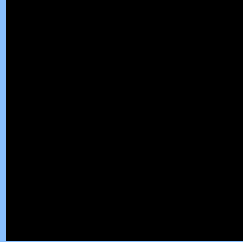
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

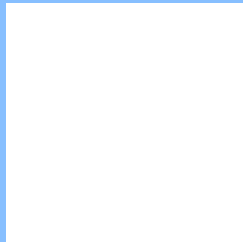
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6325, 0.2357, 0.2506

Background



This preview shows how black text looks on a background with the Yxy color 49.6325, 0.2357, 0.2506.



This preview shows how white text looks on a background with the Yxy color 49.6325, 0.2357, 0.2506.

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

49.6325, 0.2357, 0.2506

Protanopia

49.5079, 0.2561, 0.2508

Deuteranopia

49.3935, 0.2508, 0.2453



Tritanopia

49.4542, 0.2516, 0.3072

Trichromacy



Original Color

49.6325, 0.2357, 0.2506

Protanomaly

49.6368, 0.2480, 0.2510

Deuteranomaly

49.5330, 0.2447, 0.2476

Tritanomaly

49.1994, 0.2451, 0.2844

Monochromacy



Original Color

49.6325, 0.2357, 0.2506

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.3007, 0.2795, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6325, 0.2357, 0.2506 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(135, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 191, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.6325, 0.2357, 0.2506 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(135, 191, 255) }
```

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

```
.border{ border-color:rgb(135, 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(135, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 191,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6325, 0.2357, 0.2506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 191, 255) }
```

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

```
.background{ background-color: rgb(135,  
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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