

Converting Colors

$Yxy(49.7884, 0.2333, 0.2518)$

Have a look what the booklet for
Yxy(49.7884, 0.2333, 0.2518)
contains.

Yxy(49.6651, 0.2334, 0.2514)	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(49.6651, 0.2334, 0.2514)

Conversions

Conversions Part 1

Format	Color
Hex	82C0FF
RGB	130, 192, 255
RGB Percent	51%, 75%, 100%
CMY	0.4901, 0.2471, 0.0000
CMYK	0.49, 0.25, 0.00, 0.00
HSL	210°, 100%, 75%
HSV	210°, 49%, 100%
XYZ	46.1091, 49.6651, 101.7799
YIQ	180.6440, -57.1750, 6.4490

Conversions

Conversions Part 2

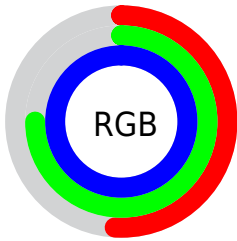
Format	Color
RYB	130, 171, 255
Decimal	8569087
CIELab	75.86, -3.09, -37.17
CIELCh	76, 37.296, 265.250
Yxy	49.6651, 0.2334, 0.2514
Android (android.graphics.Color)	4286759167 (0xFF82C0FF)
YUV	180.6440, 36.6575, -44.4148
Hunter-Lab	70.4735, -6.5402, -36.2969

Details

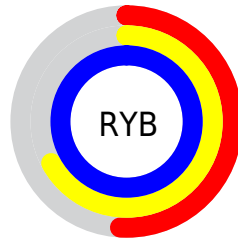
The Yxy color **49.6651, 0.2334, 0.2514** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.0197, 0.4155, 0.3940**, and the grayscale version is **45.8297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0462, 0.2734, 0.3214**, and **23.8445, 0.2138, 0.2323** is the 20% darker color. If you saturate the color by 10%, you get **42.4921, 0.2182, 0.2320**, and if you desaturate by 10%, it is **57.8317, 0.2495, 0.2699**.

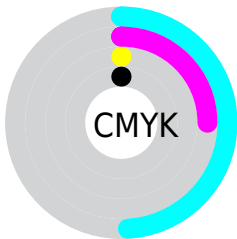
Distribution



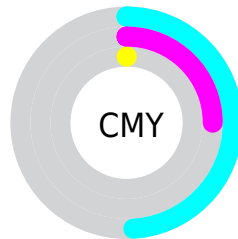
- Red (51%)
- Green (75%)
- Blue (100%)



- Red (51%)
- Yellow (67%)
- Blue (100%)



- Cyan (49%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6651, 0.2334, 0.2514 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 49.6651, 0.2334, 0.2514 by changing the saturation by 10% instead.

 49.6651, 0.2334,
0.2514


 49.6651, 0.2334,
0.2514


385.3548, 0.2712,
0.2888


 35.1474, 0.2246,
0.2427


 89.6785, 0.2467,
0.2646

 23.7764, 0.2138,
0.2318


 115.9429, 0.2518,
0.2696

 15.1679, 0.2001,
0.2180


 146.8917, 0.2562,
0.2740

 8.9373, 0.1823,
0.2000

182.9092, 0.2600,
0.2777

 4.7003, 0.1587,
0.1758

224.3799, 0.2633,
0.2810

 2.0725, 0.1265,
0.1425

271.6882, 0.2663,

 0.6491, 0.0785,

0.2839

0.0941

325.2183, 0.2689,
0.2865

0.0000, 0.0000,
0.0000

49.6651, 0.2334,
0.2514

49.6651, 0.2334,
0.2514

42.4921, 0.2182,
0.2320

57.8317, 0.2495,
0.2699

36.2611, 0.2045,
0.2121

67.0362, 0.2661,
0.2872

30.9166, 0.1928,
0.1922

77.3217, 0.2826,
0.3030

26.3940, 0.1834,
0.1729

88.7278, 0.2987,
0.3174

22.6039, 0.1765,
0.1548

100.0000, 0.3127,
0.3290

■ 22.2598, 0.1759,
0.1531

Harmonies

Analogous

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



49.6651, 0.2203, 0.2735



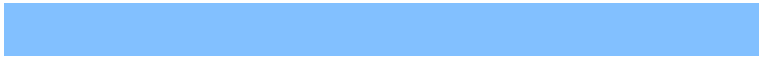
49.6651, 0.2334, 0.2514



49.6651, 0.2666, 0.2492

Triad

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



49.6651, 0.2334, 0.2514



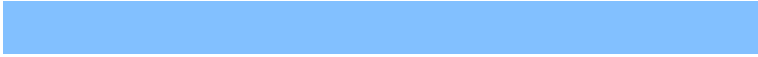
49.6651, 0.4039, 0.3325



49.6651, 0.3043, 0.4077

Complementary

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



49.6651, 0.2334, 0.2514



61.0197, 0.4155, 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.



49.6651, 0.3544, 0.4217



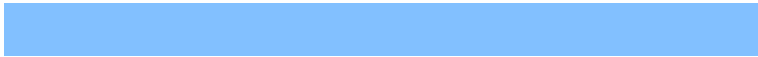
49.6651, 0.2334, 0.2514



49.6651, 0.4144, 0.3727

Square

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



49.6651, 0.2334, 0.2514



49.6651, 0.3661, 0.2943



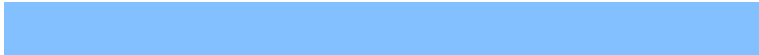
49.6651, 0.3953, 0.4063



49.6651, 0.2587, 0.3658

Rectangle

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



49.6651, 0.2334, 0.2514



49.6651, 0.2975, 0.2578



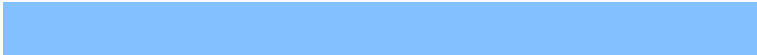
49.6651, 0.3953, 0.4063



49.6651, 0.3212, 0.4159

Sweetspot

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



49.6656, 0.2334, 0.2514



81.7627, 0.2891, 0.3090



80.0954, 0.2763, 0.4058



16.9964, 0.2857, 0.3059



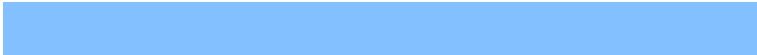
0.0000, 0.0000, 0.0000



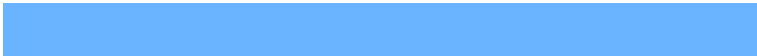
21.4041, 0.3127, 0.3290

Same Dimension

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



49.6656, 0.2334, 0.2514



42.5012, 0.2182, 0.2320



27.9365, 0.2185, 0.1732



18.8658, 0.2979, 0.3167



11.9292, 0.1767, 0.1560



1.3797, 0.1824, 0.1767

Inverse Universe

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



41.0351, 0.3803, 0.2657



34.5329, 0.4016, 0.2549



94.3921, 0.3849, 0.4484



18.1373, 0.3216, 0.3173



11.9322, 0.4982, 0.2518



1.1838, 0.4725, 0.2377

Previews

White Background



This preview shows how the Yxy color 49.6651, 0.2334, 0.2514 looks on a white background.

Color Contrast Check

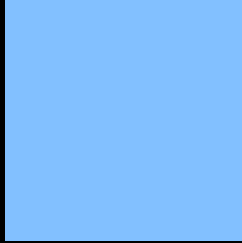
Large Text (above 18pt) WCAG AA × Fail

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 49.6651, 0.2334, 0.2514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

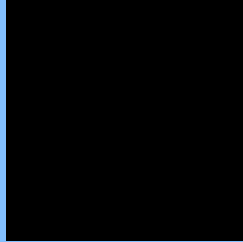
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

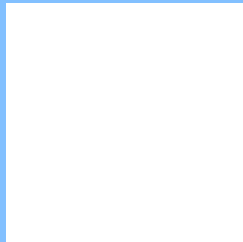
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6651, 0.2334, 0.2514

Background



This preview shows how black text looks on a background with the Yxy color 49.6651, 0.2334, 0.2514.



This preview shows how white text looks on a background with the Yxy color 49.6651, 0.2334, 0.2514.

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

49.6651, 0.2334, 0.2514

Protanopia

49.4454, 0.2566, 0.2518

Deuteranopia

49.3935, 0.2508, 0.2453



Tritanopia

49.5351, 0.2481, 0.3071

Trichromacy



Original Color

49.6651, 0.2334, 0.2514

Protanomaly

49.3757, 0.2473, 0.2518

Deuteranomaly

49.4360, 0.2441, 0.2474

Tritanomaly

49.3306, 0.2423, 0.2842

Monochromacy



Original Color

49.6651, 0.2334, 0.2514

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.9334, 0.2779, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6651, 0.2334, 0.2514 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(130, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 192, 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(130, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 192, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.6651, 0.2334, 0.2514 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(130, 192, 255) }
```

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

```
.border{ border-color:rgb(130, 192, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 192,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6651, 0.2334, 0.2514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 192, 255) }
```

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

```
.background{ background-color: rgb(130,  
192, 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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