

Converting Colors

$Y_{xy}(50.2324, 0.2394, 0.2513)$

Have a look what the booklet for
Yxy(50.2324, 0.2394, 0.2513)
contains.

Yxy(50.2324, 0.2394, 0.2513)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.2324, 0.2394, 0.2513)

Conversions

Conversions Part 1

Format	Color
Hex	8EBFFF
RGB	142, 191, 255
RGB Percent	56%, 75%, 100%
CMY	0.4427, 0.2511, 0.0000
CMYK	0.44, 0.25, 0.00, 0.00
HSL	214°, 100%, 78%
HSV	214°, 44%, 100%
XYZ	47.8537, 50.2324, 101.8041
YIQ	183.6450, -49.7480, 9.5160

Conversions

Conversions Part 2

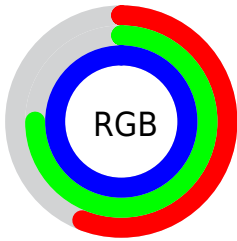
Format	Color
RYB	142, 176, 255
Decimal	9355263
CIELab	76.21, 0.30, -36.58
CIElCh	76, 36.584, 270.475
Yxy	50.2324, 0.2394, 0.2513
Android (android.graphics.Color)	4287545343 (0xFF8EBFFF)
YUV	183.6450, 35.1780, -36.5227
Hunter-Lab	70.8748, -3.5102, -35.5513

Details

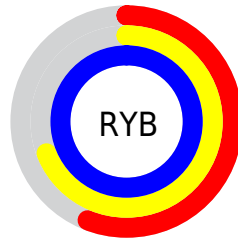
The Yxy color **50.2324, 0.2394, 0.2513** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.4261, 0.3997, 0.3950**, and the grayscale version is **47.5616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0209, 0.2799, 0.3205**, and **24.1855, 0.2212, 0.2323** is the 20% darker color. If you saturate the color by 10%, you get **42.2280, 0.2229, 0.2298**, and if you desaturate by 10%, it is **59.3758, 0.2565, 0.2717**.

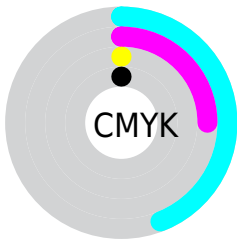
Distribution



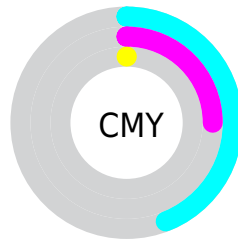
- Red (56%)
- Green (75%)
- Blue (100%)



- Red (56%)
- Yellow (69%)
- Blue (100%)



- Cyan (44%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2324, 0.2394, 0.2513 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 50.2324, 0.2394, 0.2513 by changing the saturation by 10% instead.

■ 50.2324, 0.2394,
0.2513

■ 50.2324, 0.2394,
0.2513

387.5741, 0.2745,
0.2885

■ 35.5981, 0.2312,
0.2427

■ 90.5191, 0.2517,
0.2643

■ 24.1240, 0.2211,
0.2319

■ 116.9403, 0.2565,
0.2694

■ 15.4256, 0.2082,
0.2184

148.0593, 0.2606,
0.2737

■ 9.1186, 0.1915,
0.2007

184.2604, 0.2641,
0.2774

■ 4.8186, 0.1691,
0.1770

225.9280, 0.2672,
0.2807

■ 2.1412, 0.1381,
0.1444

273.4466, 0.2699,

■ 0.6877, 0.0936,

0.2836

0.0974

327.2005, 0.2723,
0.2862

0.0000, 0.0000,
0.0000

50.2324, 0.2394,
0.2513

50.2324, 0.2394,
0.2513

42.2280, 0.2229,
0.2298

59.3758, 0.2565,
0.2717

35.3089, 0.2075,
0.2075

69.7075, 0.2736,
0.2905

29.4161, 0.1938,
0.1852

81.2739, 0.2902,
0.3076

24.4832, 0.1826,
0.1635

94.1182, 0.3062,
0.3230

20.4322, 0.1741,
0.1434

100.0000, 0.3127,
0.3290

■ 18.4528, 0.1702,
0.1327

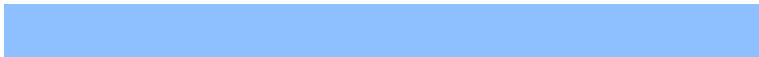
Harmonies

Analogous

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



50.2324, 0.2229, 0.2696



50.2324, 0.2394, 0.2513



50.2324, 0.2750, 0.2523

Triad

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



50.2324, 0.2394, 0.2513



50.2324, 0.4057, 0.3395



50.2324, 0.2961, 0.4002

Complementary

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



50.2324, 0.2394, 0.2513



67.4261, 0.3997, 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.



50.2324, 0.3454, 0.4194



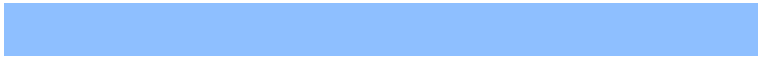
50.2324, 0.2394, 0.2513



50.2324, 0.4108, 0.3784

Square

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



50.2324, 0.2394, 0.2513



50.2324, 0.3728, 0.3012



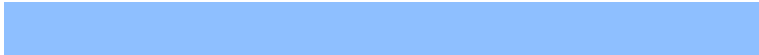
50.2324, 0.3878, 0.4090



50.2324, 0.2535, 0.3563

Rectangle

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



50.2324, 0.2394, 0.2513



50.2324, 0.3066, 0.2626



50.2324, 0.3878, 0.4090



50.2324, 0.3124, 0.4100

Sweetspot

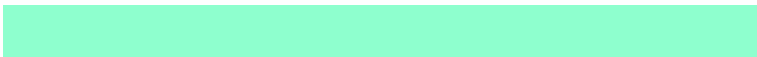
The Sweet Spot groups the original color and five complimentary colors.



50.2325, 0.2394, 0.2513



82.8313, 0.2923, 0.3097



81.7413, 0.2753, 0.3874



17.1520, 0.2887, 0.3061



0.0000, 0.0000, 0.0000



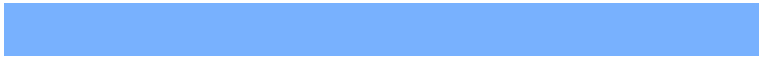
21.4041, 0.3127, 0.3290

Same Dimension

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



50.2325, 0.2394, 0.2513



43.1820, 0.2249, 0.2326



33.0505, 0.2338, 0.1920



18.6710, 0.2979, 0.3152



9.9256, 0.1711, 0.1357



1.1787, 0.1772, 0.1577

Inverse Universe

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



44.4010, 0.3785, 0.2786



37.8853, 0.3985, 0.2695



93.3370, 0.3735, 0.4403



18.1176, 0.3226, 0.3188



11.7300, 0.5248, 0.2665



1.1635, 0.4960, 0.2506

Previews

White Background



This preview shows how the Yxy color 50.2324, 0.2394, 0.2513 looks on a white background.

Color Contrast Check

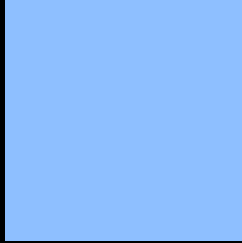
Large Text (above 18pt) WCAG AA × Fail

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 50.2324, 0.2394, 0.2513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

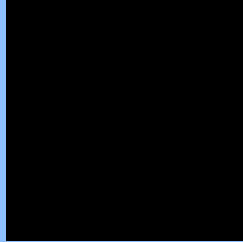
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

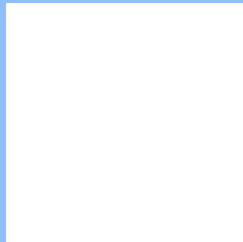
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2324, 0.2394, 0.2513

Background



This preview shows how black text looks on a background with the Yxy color 50.2324, 0.2394, 0.2513.



This preview shows how white text looks on a background with the Yxy color 50.2324, 0.2394, 0.2513.

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

50.2324, 0.2394, 0.2513

Protanopia

50.0351, 0.2569, 0.2522

Deuteranopia

50.1334, 0.2528, 0.2469



Tritanopia

50.0685, 0.2560, 0.3075

Trichromacy



Original Color

50.2324, 0.2394, 0.2513

Protanomaly

49.9399, 0.2498, 0.2513

Deuteranomaly

50.0297, 0.2476, 0.2482

Tritanomaly

49.8383, 0.2495, 0.2849

Monochromacy



Original Color

50.2324, 0.2394, 0.2513

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.6288, 0.2819, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2324, 0.2394, 0.2513 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(142, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 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(142, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 191, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.2324, 0.2394, 0.2513 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(142, 191, 255) }
```

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

```
.border{ border-color:rgb(142, 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(142, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 191,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2324, 0.2394, 0.2513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 191, 255) }
```

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

```
.background{ background-color: rgb(142,  
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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