

Converting Colors

$Y_{xy}(44.8234, 0.2327, 0.2304)$

Have a look what the booklet for
Yxy(44.8234, 0.2327, 0.2304)
contains.

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Color

Yxy(44.5498, 0.2348, 0.2344)

Conversions

Conversions Part 1

Format	Color
Hex	8BB2FF
RGB	139, 178, 255
RGB Percent	55%, 70%, 100%
CMY	0.4548, 0.3020, 0.0000
CMYK	0.45, 0.30, 0.00, 0.00
HSL	220°, 100%, 77%
HSV	220°, 45%, 100%
XYZ	44.6258, 44.5498, 100.8833
YIQ	175.1170, -47.9610, 15.6790

Conversions

Conversions Part 2

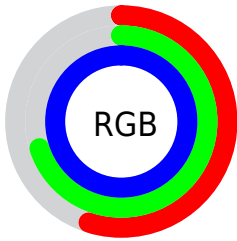
Format	Color
RYB	139, 168, 255
Decimal	9155327
CIELab	72.59, 6.74, -42.23
CIELCh	73, 42.763, 279.071
Yxy	44.5498, 0.2348, 0.2344
Android (android.graphics.Color)	4287345407 (0xFF8BB2FF)
YUV	175.1170, 39.3823, -31.6746
Hunter-Lab	66.7456, 2.5394, -42.8924

Details

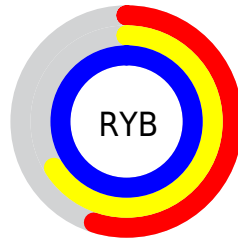
The Yxy color **44.5498, 0.2348, 0.2344** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.2588, 0.3972, 0.4073**, and the grayscale version is **42.7467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3681, 0.2771, 0.3053**, and **20.7483, 0.2145, 0.2115** is the 20% darker color. If you saturate the color by 10%, you get **36.2761, 0.2171, 0.2090**, and if you desaturate by 10%, it is **54.1660, 0.2529, 0.2587**.

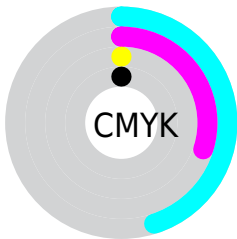
Distribution



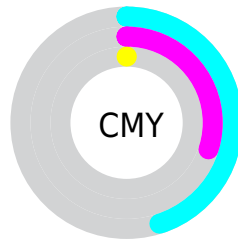
- Red (55%)
- Green (70%)
- Blue (100%)



- Red (55%)
- Yellow (66%)
- Blue (100%)



- Cyan (45%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5498, 0.2348, 0.2344 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 44.5498, 0.2348, 0.2344 by changing the saturation by 10% instead.

■ 44.5498, 0.2348,
0.2344

■ 44.5498, 0.2348,
0.2344

■ 364.9472, 0.2728,
0.2796

■ 31.1030, 0.2258,
0.2240

■ 82.0444, 0.2483,
0.2502

■ 20.6773, 0.2146,
0.2111

■ 106.8610, 0.2534,
0.2564

■ 12.8883, 0.2004,
0.1948

■ 136.2363, 0.2578,
0.2616

■ 7.3517, 0.1818,
0.1739

■ 170.5547, 0.2616,
0.2662

■ 3.6830, 0.1569,
0.1465

■ 210.2006, 0.2650,
0.2701

■ 1.4979, 0.1228,
0.1101

■ 255.5584, 0.2679,

■ 0.2872, 0.0694,

0.2737

0.0456

307.0124, 0.2705,
0.2768

0.0000, 0.0000,
0.0000

44.5498, 0.2348,
0.2344

44.5498, 0.2348,
0.2344

36.2761, 0.2171,
0.2090

54.1660, 0.2529,
0.2587

29.2804, 0.2005,
0.1831

65.1878, 0.2708,
0.2811

23.4894, 0.1860,
0.1578

77.6717, 0.2881,
0.3016

18.8213, 0.1742,
0.1343

91.6716, 0.3043,
0.3199

15.1804, 0.1656,
0.1135

100.0000, 0.3127,
0.3290

■ 13.8220, 0.1626,
0.1053

Harmonies

Analogous

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



44.5498, 0.2088, 0.2483



44.5498, 0.2348, 0.2344



44.5498, 0.2824, 0.2421

Triad

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



44.5498, 0.2348, 0.2344



44.5498, 0.4315, 0.3535



44.5498, 0.2756, 0.4039

Complementary

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



44.5498, 0.2348, 0.2344



72.2588, 0.3972, 0.4073

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.



44.5498, 0.3339, 0.4376



44.5498, 0.2348, 0.2344



44.5498, 0.4263, 0.3988

Square

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



44.5498, 0.2348, 0.2344



44.5498, 0.4002, 0.3074



44.5498, 0.3895, 0.4323



44.5498, 0.2299, 0.3439

Rectangle

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



44.5498, 0.2348, 0.2344



44.5498, 0.3225, 0.2576



44.5498, 0.3895, 0.4323



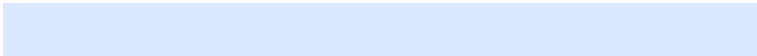
44.5498, 0.2943, 0.4192

Sweetspot

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



44.5492, 0.2348, 0.2344



79.6426, 0.2905, 0.3044



81.8880, 0.2699, 0.3772



16.4328, 0.2869, 0.3003



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.



44.5492, 0.2348, 0.2344



36.6410, 0.2179, 0.2102



32.8059, 0.2379, 0.1900



18.3748, 0.2979, 0.3128



7.4674, 0.1634, 0.1082



0.9191, 0.1696, 0.1305

Inverse Universe

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



42.9491, 0.3933, 0.2887



36.0684, 0.4202, 0.2814



91.4939, 0.3682, 0.4460



18.0877, 0.3241, 0.3210



11.4818, 0.5637, 0.2879



1.1373, 0.5319, 0.2704

Previews

White Background



This preview shows how the Yxy color 44.5498, 0.2348, 0.2344 looks on a white background.

Color Contrast Check

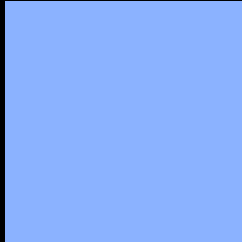
Large Text (above 18pt) WCAG AA × Fail

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 44.5498, 0.2348, 0.2344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

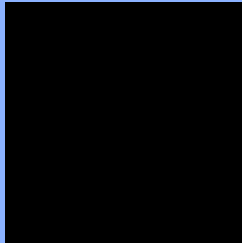
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

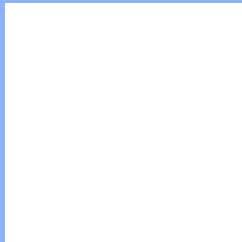
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.5498, 0.2348, 0.2344

Background



This preview shows how black text looks on a background with the Yxy color 44.5498, 0.2348, 0.2344.



This preview shows how white text looks on a background with the Yxy color 44.5498, 0.2348, 0.2344.

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

44.5498, 0.2348, 0.2344

Protanopia

44.4605, 0.2439, 0.2356

Deuteranopia

44.4737, 0.2389, 0.2330



Tritanopia

44.5633, 0.2561, 0.3078

Trichromacy



Original Color

44.5498, 0.2348, 0.2344

Protanomaly

44.4384, 0.2405, 0.2351

Deuteranomaly

44.5936, 0.2374, 0.2338

Tritanomaly

44.2220, 0.2474, 0.2778

Monochromacy



Original Color

44.5498, 0.2348, 0.2344

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.0917, 0.2798, 0.2918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5498, 0.2348, 0.2344 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(139, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 178, 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(139, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 178, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.5498, 0.2348, 0.2344 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(139, 178, 255) }
```

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

```
.border{ border-color:rgb(139, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 178,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5498, 0.2348, 0.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 178, 255) }
```

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

```
.background{ background-color: rgb(139,  
178, 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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