

Converting Colors

$Yxy(53.1245, 0.2345, 0.2617)$

Have a look what the booklet for
Yxy(53.1245, 0.2345, 0.2617)
contains.

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Color

Yxy(53.1177, 0.2344, 0.2616)

Conversions

Conversions Part 1

Format	Color
Hex	80C8FF
RGB	128, 200, 255
RGB Percent	50%, 78%, 100%
CMY	0.4983, 0.2156, 0.0001
CMYK	0.50, 0.22, 0.00, 0.00
HSL	206°, 100%, 75%
HSV	206°, 50%, 100%
XYZ	47.5948, 53.1177, 102.3369
YIQ	184.7420, -60.5670, 1.8410

Conversions

Conversions Part 2

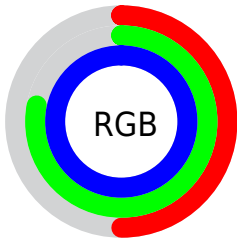
Format	Color
R _Y B	128, 174, 255
Decimal	8440063
CIE Lab	77.94, -7.88, -33.94
CIE LCh	78, 34.840, 256.920
Yxy	53.1177, 0.2344, 0.2616
Android (android.graphics.Color)	4286630143 (0xFF80C8FF)
YUV	184.7420, 34.6372, -49.7627
Hunter-Lab	72.8819, -10.9757, -32.2345

Details

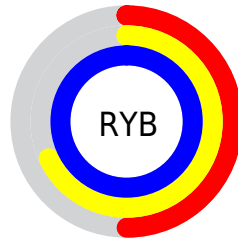
The Yxy color **53.1177, 0.2344, 0.2616** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.6335, 0.4228, 0.3860**, and the grayscale version is **48.1859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **25.8283, 0.2153, 0.2441** is the 20% darker color. If you saturate the color by 10%, you get **46.4592, 0.2203, 0.2451**, and if you desaturate by 10%, it is **60.6454, 0.2496, 0.2774**.

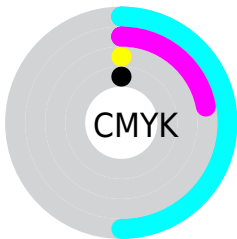
Distribution



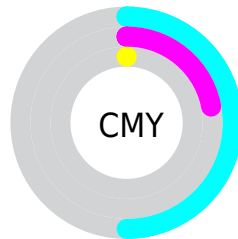
- Red (50%)
- Green (78%)
- Blue (100%)



- Red (50%)
- Yellow (68%)
- Blue (100%)



- Cyan (50%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.1177, 0.2344, 0.2616 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 53.1177, 0.2344, 0.2616 by changing the saturation by 10% instead.

■ 53.1177, 0.2344,
0.2616

■ 53.1177, 0.2344,
0.2616

■ 398.7365, 0.2713,
0.2942

■ 37.8967, 0.2259,
0.2539

■ 94.7775, 0.2473,
0.2731

■ 25.9026, 0.2155,
0.2444

■ 121.9852, 0.2523,
0.2775

■ 16.7508, 0.2023,
0.2322

■ 153.9572, 0.2566,
0.2813

■ 10.0569, 0.1853,
0.2162

■ 191.0780, 0.2603,
0.2846

■ 5.4367, 0.1627,
0.1945

■ 233.7319, 0.2636,
0.2874

■ 2.5057, 0.1320,
0.1640

■ 282.3034, 0.2665,

■ 0.8795, 0.0880,

0.2899

0.1202

337.1768, 0.2690,
0.2922

0.0000, 0.0000,
0.0000

53.1177, 0.2344,
0.2616

53.1177, 0.2344,
0.2616

46.4592, 0.2203,
0.2451

60.6454, 0.2496,
0.2774

40.6182, 0.2078,
0.2280

69.0778, 0.2654,
0.2921

35.5454, 0.1973,
0.2110

78.4553, 0.2815,
0.3057

31.1807, 0.1890,
0.1942

88.8135, 0.2974,
0.3181

27.4325, 0.1829,
0.1781

99.9989, 0.3127,
0.3290

■ 27.3728, 0.1828,
0.1779

Harmonies

Analogous

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



53.1177, 0.2278, 0.2874



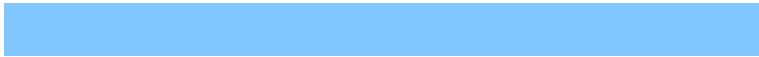
53.1177, 0.2344, 0.2616



53.1177, 0.2603, 0.2543

Triad

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



53.1177, 0.2344, 0.2616



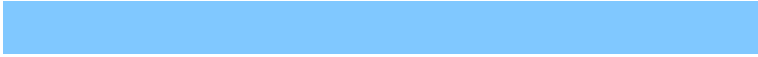
53.1177, 0.3885, 0.3224



53.1177, 0.3182, 0.4068

Complementary

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



53.1177, 0.2344, 0.2616



56.6335, 0.4228, 0.3860

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.



53.1177, 0.3630, 0.4121



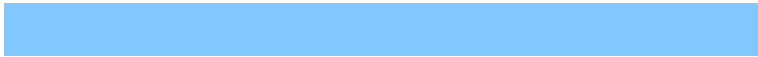
53.1177, 0.2344, 0.2616



53.1177, 0.4058, 0.3597

Square

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



53.1177, 0.2344, 0.2616



53.1177, 0.3491, 0.2885



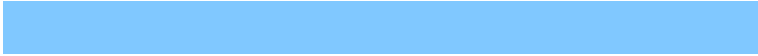
53.1177, 0.3957, 0.3929



53.1177, 0.2739, 0.3748

Rectangle

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



53.1177, 0.2344, 0.2616



53.1177, 0.2866, 0.2592



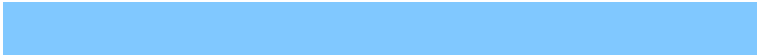
53.1177, 0.3957, 0.3929



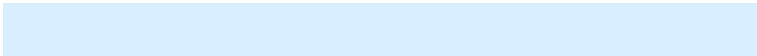
53.1177, 0.3337, 0.4117

Sweetspot

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



53.1197, 0.2344, 0.2616



83.3471, 0.2892, 0.3119



79.4232, 0.2809, 0.4212



17.3778, 0.2858, 0.3092



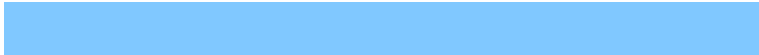
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



53.1197, 0.2344, 0.2616



46.3605, 0.2201, 0.2448



30.1261, 0.2191, 0.1829



19.0886, 0.2979, 0.3185



14.6075, 0.1835, 0.1805



1.6396, 0.1886, 0.1989

Inverse Universe

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



40.8461, 0.3719, 0.2559



34.4288, 0.3902, 0.2435



87.7526, 0.3907, 0.4419



18.1598, 0.3205, 0.3156



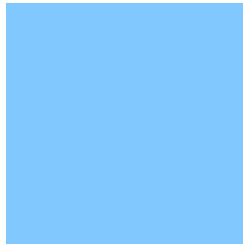
12.2026, 0.4679, 0.2351



1.2101, 0.4465, 0.2233

Previews

White Background



This preview shows how the Yxy color 53.1177, 0.2344, 0.2616 looks on a white background.

Color Contrast Check

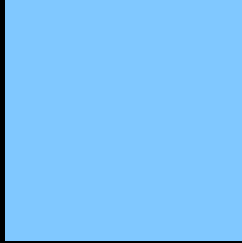
Large Text (above 18pt) WCAG AA × Fail

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 53.1177, 0.2344, 0.2616 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

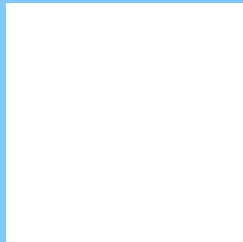
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.1177, 0.2344, 0.2616

Background



This preview shows how black text looks on a background with the Yxy color 53.1177, 0.2344, 0.2616.



This preview shows how white text looks on a background with the Yxy color 53.1177, 0.2344, 0.2616.

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

53.1177, 0.2344, 0.2616

Protanopia

52.8894, 0.2645, 0.2623

Deuteranopia

52.7292, 0.2585, 0.2528



Tritanopia

53.1984, 0.2463, 0.3076

Trichromacy



Original Color

53.1177, 0.2344, 0.2616

Protanomaly

52.8566, 0.2521, 0.2621

Deuteranomaly

52.6290, 0.2487, 0.2556

Tritanomaly

53.1912, 0.2418, 0.2902

Monochromacy



Original Color

53.1177, 0.2344, 0.2616

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.3726, 0.2785, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1177, 0.2344, 0.2616 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(128, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 200, 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(128, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.1177, 0.2344, 0.2616 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(128, 200, 255) }
```

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

```
.border{ border-color:rgb(128, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1177, 0.2344, 0.2616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 200, 255) }
```

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

```
.background{ background-color: rgb(128,  
200, 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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