

Converting Colors

$Y_{xy}(53.2596, 0.2642, 0.2815)$

Have a look what the booklet for
Yxy(53.2596, 0.2642, 0.2815)
contains.

Yxy(53.3705, 0.2638, 0.2814)	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(53.3705, 0.2638, 0.2814)

Conversions

Conversions Part 1

Format	Color
Hex	A4C4EB
RGB	164, 196, 235
RGB Percent	64%, 77%, 92%
CMY	0.3572, 0.2313, 0.0784
CMYK	0.30, 0.17, 0.00, 0.08
HSL	213°, 64%, 78%
HSV	213°, 30%, 92%
XYZ	50.0325, 53.3705, 86.2577
YIQ	190.8780, -31.5910, 5.3450

Conversions

Conversions Part 2

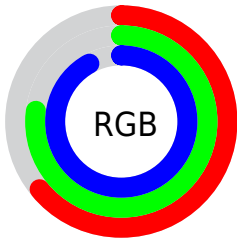
Format	Color
RYB	164, 186, 235
Decimal	10798315
CIELab	78.09, -1.86, -22.83
CIELCh	78, 22.904, 265.343
Yxy	53.3705, 0.2638, 0.2814
Android (android.graphics.Color)	4288988395 (0xFFA4C4EB)
YUV	190.8780, 21.7521, -23.5720
Hunter-Lab	73.0551, -5.5991, -18.8663

Details

The Yxy color **53.3705, 0.2638, 0.2814** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.0025, 0.3680, 0.3722**, and the grayscale version is **51.9049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6862, 0.2917, 0.3269**, and **25.9157, 0.2511, 0.2685** is the 20% darker color. If you saturate the color by 10%, you get **45.5337, 0.2469, 0.2624**, and if you desaturate by 10%, it is **62.1727, 0.2805, 0.2988**.

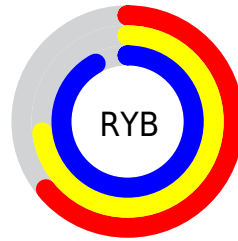
Distribution



Red (64%)

Green (77%)

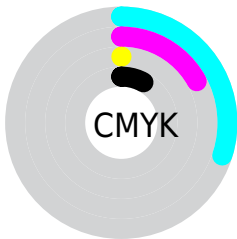
Blue (92%)



Red (64%)

Yellow (73%)

Blue (92%)

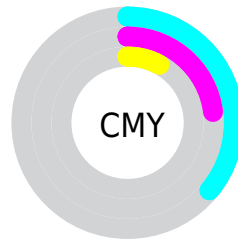


Cyan (30%)

Magenta (17%)

Yellow (0%)

Black (8%)



Cyan (36%)

Magenta (23%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3705, 0.2638, 0.2814 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 53.3705, 0.2638, 0.2814 by changing the saturation by 10% instead.

■ 53.3705, 0.2638,
0.2814

■ 53.3705, 0.2638,
0.2814

■ 399.7050, 0.2873,
0.3044

■ 38.0986, 0.2582,
0.2759

■ 95.1493, 0.2721,
0.2896

■ 26.0592, 0.2513,
0.2690

■ 122.4251, 0.2753,
0.2927

■ 16.8680, 0.2423,
0.2601

■ 154.4709, 0.2780,
0.2954

■ 10.1404, 0.2304,
0.2483

■ 191.6712, 0.2804,
0.2977

■ 5.4921, 0.2138,
0.2317

■ 234.4103, 0.2825,
0.2997

■ 2.5388, 0.1895,
0.2071

■ 283.0728, 0.2843,

■ 0.8960, 0.1512,

0.3015

0.1680

338.0428, 0.2859,
0.3030

0.0000, 0.0000,
0.0000

53.3705, 0.2638,
0.2814

53.3705, 0.2638,
0.2814

45.5337, 0.2469,
0.2624

62.1727, 0.2805,
0.2988

38.6181, 0.2304,
0.2422

71.9695, 0.2968,
0.3146

32.5847, 0.2148,
0.2210

82.7967, 0.3123,
0.3287

27.3888, 0.2006,
0.1994

94.1275, 0.3251,
0.3412

22.9807, 0.1886,
0.1781

98.7779, 0.3244,
0.3483

■ 19.3028, 0.1790,
0.1577

■ 16.3334, 0.1721,
0.1394

Harmonies

Analogous

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



53.3705, 0.2553, 0.2962



53.3705, 0.2638, 0.2814



53.3705, 0.2850, 0.2792

Triad

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



53.3705, 0.2638, 0.2814



53.3705, 0.3670, 0.3326



53.3705, 0.3085, 0.3744

Complementary

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



53.3705, 0.2638, 0.2814



63.0025, 0.3680, 0.3722

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.



53.3705, 0.3389, 0.3837



53.3705, 0.2638, 0.2814



53.3705, 0.3736, 0.3575

Square

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



53.3705, 0.2638, 0.2814



53.3705, 0.3450, 0.3080



53.3705, 0.3630, 0.3767



53.3705, 0.2802, 0.3508

Rectangle

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



53.3705, 0.2638, 0.2814



53.3705, 0.3042, 0.2844



53.3705, 0.3630, 0.3767



53.3705, 0.3188, 0.3793

Sweetspot

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



53.3726, 0.2638, 0.2814



88.1358, 0.2987, 0.3164



71.5549, 0.2870, 0.3691



18.4748, 0.2964, 0.3142



0.0000, 0.0000, 0.0000



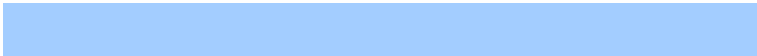
21.4041, 0.3127, 0.3290

Same Dimension

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



53.3726, 0.2638, 0.2814



58.5279, 0.2538, 0.2704



40.6606, 0.2609, 0.2408



15.6693, 0.2980, 0.3157



9.3380, 0.1729, 0.1423



0.9231, 0.1802, 0.1688

Inverse Universe

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



48.1719, 0.3502, 0.2934



51.9169, 0.3603, 0.2862



79.3527, 0.3566, 0.4050



15.1672, 0.3222, 0.3184



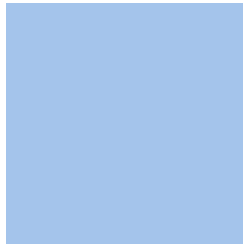
10.4355, 0.5161, 0.2616



0.8386, 0.4822, 0.2430

Previews

White Background



This preview shows how the Yxy color 53.3705, 0.2638, 0.2814 looks on a white background.

Color Contrast Check

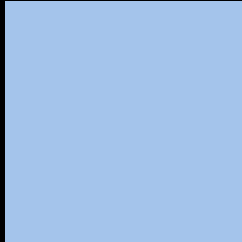
Large Text (above 18pt) WCAG AA × Fail

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 53.3705, 0.2638, 0.2814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

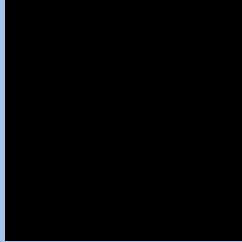
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

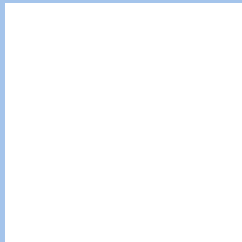
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.3705, 0.2638, 0.2814

Background



This preview shows how black text looks on a background with the Yxy color 53.3705, 0.2638, 0.2814.



This preview shows how white text looks on a background with the Yxy color 53.3705, 0.2638, 0.2814.

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

53.3705, 0.2638, 0.2814

Protanopia

53.2215, 0.2793, 0.2814

Deuteranopia

53.3284, 0.2788, 0.2730



Tritanopia

53.2267, 0.2736, 0.3086

Trichromacy



Original Color

53.3705, 0.2638, 0.2814

Protanomaly

53.3132, 0.2739, 0.2821

Deuteranomaly

53.4587, 0.2734, 0.2768

Tritanomaly

53.2392, 0.2698, 0.2988

Monochromacy



Original Color

53.3705, 0.2638, 0.2814

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

52.4687, 0.2933, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3705, 0.2638, 0.2814 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(164, 196, 235)` looks like.

```
.text, #text, p{  
    color:rgb(164, 196, 235)  
}
```

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(164, 196, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 196, 235) }
```

Border

The CSS property to change the border of an element to Yxy 53.3705, 0.2638, 0.2814 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(164, 196, 235) }
```

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

```
.border{ border-color:rgb(164, 196, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 196, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 196, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 196, 235); box-shadow:4px 4px 4px 4px rgb(164, 196, 235) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3705, 0.2638, 0.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 196, 235) }
```

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

```
.background{ background-color: rgb(164,  
196, 235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor