

Converting Colors

$Y_{xy}(53.2770, 0.2642, 0.2824)$

Have a look what the booklet for
Yxy(53.2770, 0.2642, 0.2824)
contains.

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Color

Yxy(53.3129, 0.2644, 0.2825)

Conversions

Conversions Part 1

Format	Color
Hex	A4C4EA
RGB	164, 196, 234
RGB Percent	64%, 77%, 92%
CMY	0.3570, 0.2313, 0.0823
CMYK	0.30, 0.16, 0.00, 0.08
HSL	213°, 63%, 78%
HSV	213°, 30%, 92%
XYZ	49.8971, 53.3129, 85.5082
YIQ	190.7640, -31.2700, 5.0340

Conversions

Conversions Part 2

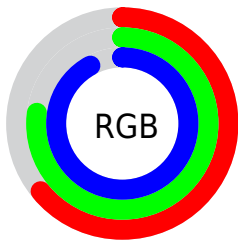
Format	Color
RYB	164, 186, 234
Decimal	10798314
CIELab	78.06, -2.08, -22.35
CIELCh	78, 22.446, 264.688
Yxy	53.3129, 0.2644, 0.2825
Android (android.graphics.Color)	4288988394 (0xFFA4C4EA)
YUV	190.7640, 21.3153, -23.4720
Hunter-Lab	73.0157, -5.7950, -18.3232

Details

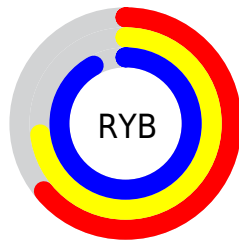
The Yxy color **53.3129, 0.2644, 0.2825** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.4003, 0.3674, 0.3713**, and the grayscale version is **51.8429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6862, 0.2917, 0.3269**, and **25.8754, 0.2518, 0.2699** is the 20% darker color. If you saturate the color by 10%, you get **45.5629, 0.2476, 0.2638**, and if you desaturate by 10%, it is **62.0098, 0.2811, 0.2997**.

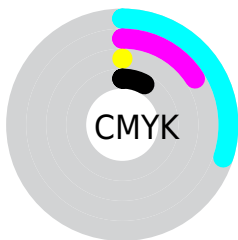
Distribution



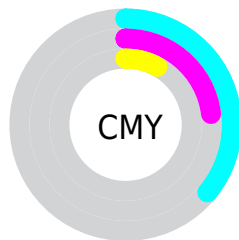
- Red (64%)
- Green (77%)
- Blue (92%)



- Red (64%)
- Yellow (73%)
- Blue (92%)



- Cyan (30%)
- Magenta (16%)
- Yellow (0%)
- Black (8%)



- Cyan (36%)
- Magenta (23%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3129, 0.2644, 0.2825 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 53.3129, 0.2644, 0.2825 by changing the saturation by 10% instead.

■ 53.3129, 0.2644,
0.2825

■ 53.3129, 0.2644,
0.2825

■ 399.4844, 0.2876,
0.3050

■ 38.0526, 0.2589,
0.2771

■ 95.0646, 0.2726,
0.2905

■ 26.0235, 0.2520,
0.2704

■ 122.3249, 0.2758,
0.2936

■ 16.8412, 0.2431,
0.2617

■ 154.3539, 0.2785,
0.2962

■ 10.1214, 0.2313,
0.2500

■ 191.5361, 0.2808,
0.2984

■ 5.4795, 0.2149,
0.2336

■ 234.2558, 0.2828,
0.3004

■ 2.5313, 0.1907,
0.2094

■ 282.8976, 0.2846,

■ 0.8922, 0.1525,

0.3021

0.1706

337.8456, 0.2862,
0.3037

0.0000, 0.0000,
0.0000

53.3129, 0.2644,
0.2825

53.3129, 0.2644,
0.2825

45.5629, 0.2476,
0.2638

62.0098, 0.2811,
0.2997

38.7164, 0.2311,
0.2438

71.6822, 0.2973,
0.3152

32.7356, 0.2155,
0.2229

82.3647, 0.3128,
0.3291

27.5767, 0.2014,
0.2015

93.5970, 0.3258,
0.3415

23.1912, 0.1894,
0.1804

98.7210, 0.3250,
0.3493

■ 19.5229, 0.1798,
0.1602

■ 16.4862, 0.1726,
0.1414

■ 16.4664, 0.1726,
0.1413

Harmonies

Analogous

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



53.3129, 0.2563, 0.2973



53.3129, 0.2644, 0.2825



53.3129, 0.2850, 0.2800

Triad

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



53.3129, 0.2644, 0.2825



53.3129, 0.3656, 0.3320



53.3129, 0.3093, 0.3738

Complementary

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



53.3129, 0.2644, 0.2825



62.4003, 0.3674, 0.3713

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.



53.3129, 0.3390, 0.3826



53.3129, 0.2644, 0.2825



53.3129, 0.3725, 0.3565

Square

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



53.3129, 0.2644, 0.2825



53.3129, 0.3438, 0.3079



53.3129, 0.3624, 0.3755



53.3129, 0.2814, 0.3510

Rectangle

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



53.3129, 0.2644, 0.2825



53.3129, 0.3038, 0.2850



53.3129, 0.3624, 0.3755



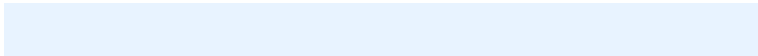
53.3129, 0.3194, 0.3785

Sweetspot

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



53.3150, 0.2644, 0.2825



88.2155, 0.2987, 0.3165



70.9725, 0.2873, 0.3686



18.4944, 0.2964, 0.3144



0.0000, 0.0000, 0.0000



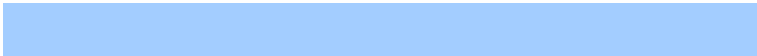
21.4041, 0.3127, 0.3290

Same Dimension

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



53.3150, 0.2644, 0.2825



58.7832, 0.2539, 0.2710



40.6219, 0.2615, 0.2419



15.6842, 0.2980, 0.3159



9.4975, 0.1734, 0.1441



0.9361, 0.1807, 0.1705

Inverse Universe

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



48.0207, 0.3493, 0.2934



51.9426, 0.3598, 0.2857



78.6313, 0.3562, 0.4041



15.1687, 0.3221, 0.3183



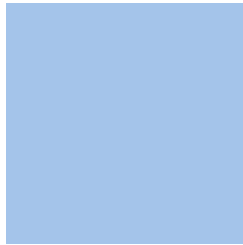
10.4516, 0.5136, 0.2603



0.8399, 0.4801, 0.2418

Previews

White Background



This preview shows how the Yxy color 53.3129, 0.2644, 0.2825 looks on a white background.

Color Contrast Check

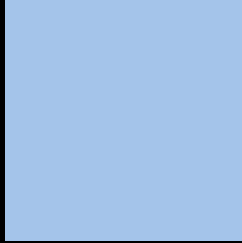
Large Text (above 18pt) WCAG AA × Fail

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 53.3129, 0.2644, 0.2825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

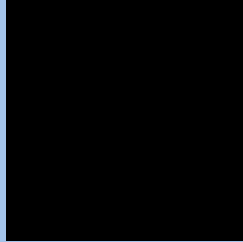
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

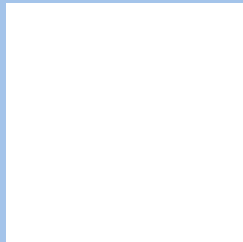
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.3129, 0.2644, 0.2825

Background



This preview shows how black text looks on a background with the Yxy color 53.3129, 0.2644, 0.2825.



This preview shows how white text looks on a background with the Yxy color 53.3129, 0.2644, 0.2825.

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

53.3129, 0.2644, 0.2825

Protanopia

53.1651, 0.2799, 0.2825

Deuteranopia

52.9697, 0.2801, 0.2730



Tritanopia

53.2267, 0.2736, 0.3086

Trichromacy



Original Color

53.3129, 0.2644, 0.2825

Protanomaly

53.2566, 0.2745, 0.2832

Deuteranomaly

53.0835, 0.2746, 0.2767

Tritanomaly

53.2392, 0.2698, 0.2988

Monochromacy



Original Color

53.3129, 0.2644, 0.2825

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 53.3129, 0.2644, 0.2825 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(164, 196, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 196, 234) }
```

Border

The CSS property to change the border of an element to Yxy 53.3129, 0.2644, 0.2825 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, 234) }
```

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

```
.border{ border-color:rgb(164, 196, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 196, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 196, 234);  
box-shadow:4px 4px 4px 4px rgb(164, 196,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3129, 0.2644, 0.2825 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, 234) }
```

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

```
.background{ background-color: rgb(164,  
196, 234) }
```

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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