

Converting Colors

$Yxy(52.3507, 0.2815, 0.3073)$

Have a look what the booklet for
Yxy(52.3507, 0.2815, 0.3073)
contains.

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Color

Yxy(52.3297, 0.2819, 0.3075)

Conversions

Conversions Part 1

Format	Color
Hex	AAC3D4
RGB	170, 195, 212
RGB Percent	67%, 76%, 83%
CMY	0.3335, 0.2353, 0.1685
CMYK	0.20, 0.08, 0.00, 0.17
HSL	204°, 33%, 75%
HSV	204°, 20%, 83%
XYZ	47.9731, 52.3297, 69.8750
YIQ	189.4630, -20.3570, -0.0130

Conversions

Conversions Part 2

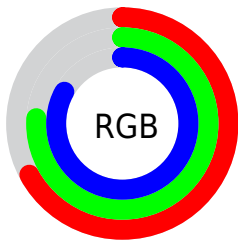
Format	Color
R _Y B	170, 186, 212
Decimal	11191252
CIE Lab	77.48, -4.82, -11.34
CIE LCh	77, 12.326, 246.967
Yxy	52.3297, 0.2819, 0.3075
Android (android.graphics.Color)	4289381332 (0xFFAAC3D4)
YUV	189.4630, 11.1107, -17.0691
Hunter-Lab	72.3393, -8.2181, -6.6328

Details

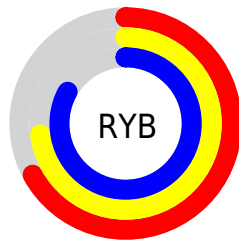
The Yxy color **52.3297, 0.2819, 0.3075** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.4350, 0.3479, 0.3496**, and the grayscale version is **51.1103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0096, 0.2952, 0.3259**, and **25.2660, 0.2739, 0.3016** is the 20% darker color. If you saturate the color by 10%, you get **46.4224, 0.2662, 0.2950**, and if you desaturate by 10%, it is **58.8432, 0.2976, 0.3189**.

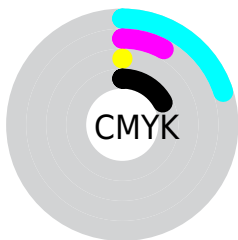
Distribution



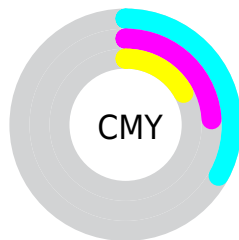
- Red (67%)
- Green (76%)
- Blue (83%)



- Red (67%)
- Yellow (73%)
- Blue (83%)



- Cyan (20%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)



- Cyan (33%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3297, 0.2819, 0.3075 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 52.3297, 0.2819, 0.3075 by changing the saturation by 10% instead.

■ 52.3297, 0.2819,
0.3075

■ 52.3297, 0.2819,
0.3075

395.7081, 0.2969,
0.3181

■ 37.2679, 0.2783,
0.3049

■ 93.6173, 0.2872,
0.3113

■ 25.4150, 0.2737,
0.3016

120.6119, 0.2893,
0.3128

■ 16.3865, 0.2678,
0.2972

152.3530, 0.2910,
0.3140

■ 9.7981, 0.2598,
0.2912

189.2248, 0.2925,
0.3151

■ 5.2653, 0.2483,
0.2824

231.6118, 0.2938,
0.3160

■ 2.4037, 0.2305,
0.2686

279.8985, 0.2950,

■ 0.8278, 0.1973,

0.3168

0.2441

334.4691, 0.2960,
0.3175

0.0000, 0.0000,
0.0000

52.3297, 0.2819,
0.3075

52.3297, 0.2819,
0.3075

46.4224, 0.2662,
0.2950

58.8432, 0.2976,
0.3189

41.0930, 0.2508,
0.2814

65.9770, 0.3130,
0.3292

36.3200, 0.2360,
0.2670

73.7527, 0.3278,
0.3383

32.0780, 0.2224,
0.2518

82.1890, 0.3421,
0.3464

28.3390, 0.2103,
0.2361

87.1049, 0.3408,
0.3548

■ 25.0714, 0.2002,
0.2203

■ 92.2165, 0.3395,
0.3631

■ 22.2386, 0.1921,
0.2048

■ 97.5347, 0.3381,
0.3710

■ 19.7780, 0.1861,
0.1897

■ 19.7397, 0.1860,
0.1894

Harmonies

Analogous

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



52.3297, 0.2821, 0.3196



52.3297, 0.2819, 0.3075



52.3297, 0.2897, 0.3015

Triad

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



52.3297, 0.2819, 0.3075



52.3297, 0.3356, 0.3227



52.3297, 0.3210, 0.3571

Complementary

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



52.3297, 0.2819, 0.3075



52.4350, 0.3479, 0.3496

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.



52.3297, 0.3358, 0.3573



52.3297, 0.2819, 0.3075



52.3297, 0.3444, 0.3370

Square

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



52.3297, 0.2819, 0.3075



52.3297, 0.3206, 0.3103



52.3297, 0.3444, 0.3497



52.3297, 0.3044, 0.3489

Rectangle

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



52.3297, 0.2819, 0.3075



52.3297, 0.2986, 0.3014



52.3297, 0.3444, 0.3497



52.3297, 0.3264, 0.3581

Sweetspot

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



52.3318, 0.2819, 0.3075



93.3269, 0.3034, 0.3229



59.2207, 0.2991, 0.3610



19.8249, 0.3024, 0.3222



0.0000, 0.0000, 0.0000



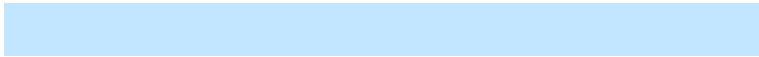
21.4041, 0.3127, 0.3290

Same Dimension

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



52.3318, 0.2819, 0.3075



75.3906, 0.2749, 0.3021



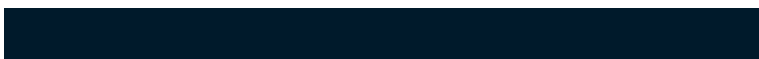
43.6363, 0.2802, 0.2803



13.2259, 0.2982, 0.3193



12.3843, 0.1866, 0.1915



0.9075, 0.1938, 0.2178

Inverse Universe

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



46.6787, 0.3294, 0.2992



65.4813, 0.3339, 0.2923



61.9253, 0.3433, 0.3735



12.5437, 0.3199, 0.3152



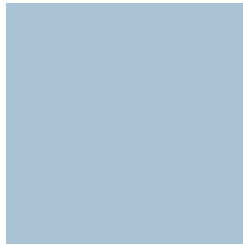
9.5951, 0.4550, 0.2280



0.5949, 0.4256, 0.2118

Previews

White Background



This preview shows how the Yxy color 52.3297, 0.2819, 0.3075 looks on a white background.

Color Contrast Check

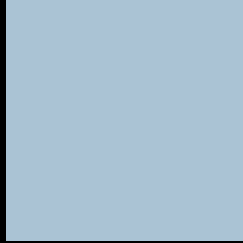
Large Text (above 18pt) WCAG AA × Fail

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 52.3297, 0.2819, 0.3075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

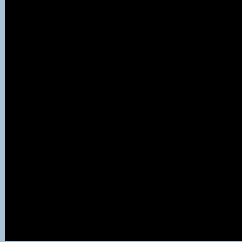
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

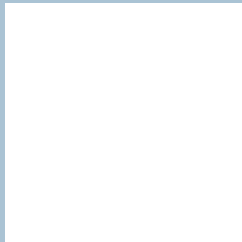
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.3297, 0.2819, 0.3075

Background



This preview shows how black text looks on a background with the Yxy color 52.3297, 0.2819, 0.3075.



This preview shows how white text looks on a background with the Yxy color 52.3297, 0.2819, 0.3075.

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

52.3297, 0.2819, 0.3075

Protanopia

52.2492, 0.2979, 0.3058

Deuteranopia

52.1150, 0.3022, 0.2957



Tritanopia

52.2794, 0.2826, 0.3087

Trichromacy



Original Color

52.3297, 0.2819, 0.3075

Protanomaly

52.2975, 0.2919, 0.3067

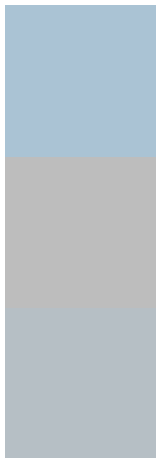
Deuteranomaly

51.8907, 0.2943, 0.2997

Tritanomaly

52.2794, 0.2826, 0.3087

Monochromacy



Original Color

52.3297, 0.2819, 0.3075

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.2379, 0.3011, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3297, 0.2819, 0.3075 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(170, 195, 212)` looks like.

```
.text, #text, p{  
    color:rgb(170, 195, 212)  
}
```

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(170, 195, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 195, 212) }
```

Border

The CSS property to change the border of an element to Yxy 52.3297, 0.2819, 0.3075 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(170, 195, 212) }
```

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

```
.border{ border-color:rgb(170, 195, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 195, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 195, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 195, 212);  
box-shadow:4px 4px 4px 4px rgb(170, 195,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3297, 0.2819, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 195, 212) }
```

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

```
.background{ background-color: rgb(170,  
195, 212) }
```

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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