

Converting Colors

$Yxy(53.2301, 0.2735, 0.3135)$

Have a look what the booklet for
Yxy(53.2301, 0.2735, 0.3135)
contains.

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Color

Yxy(53.2301, 0.2735, 0.3135)

Conversions

Conversions Part 1

Format	Color
Hex	9DC8D4
RGB	157, 200, 212
RGB Percent	62%, 78%, 83%
CMY	0.3845, 0.2156, 0.1686
CMYK	0.26, 0.06, 0.00, 0.17
HSL	193°, 39%, 72%
HSV	193°, 26%, 83%
XYZ	46.4384, 53.2301, 70.1245
YIQ	188.5110, -29.4800, -5.3840

Conversions

Conversions Part 2

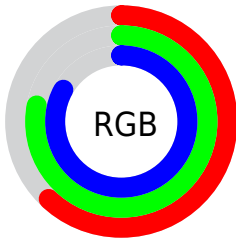
Format	Color
RYB	157, 181, 212
Decimal	10340564
CIELab	78.01, -11.41, -10.63
CIElCh	78, 15.595, 222.966
Yxy	53.2301, 0.2735, 0.3135
Android (android.graphics.Color)	4288530644 (0xFF9DC8D4)
YUV	188.5110, 11.5801, -27.6351
Hunter-Lab	72.9590, -14.0629, -5.9153

Details

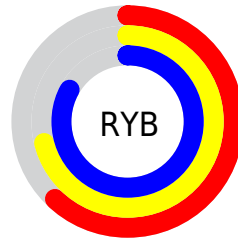
The Yxy color **53.2301, 0.2735, 0.3135** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.7970, 0.3641, 0.3439**, and the grayscale version is **50.5382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **25.9351, 0.2636, 0.3097** is the 20% darker color. If you saturate the color by 10%, you get **49.1725, 0.2594, 0.3066**, and if you desaturate by 10%, it is **57.7267, 0.2883, 0.3199**.

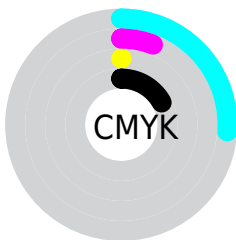
Distribution



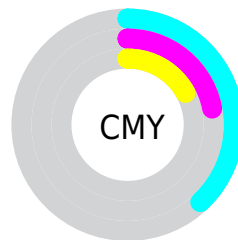
- Red (62%)
- Green (78%)
- Blue (83%)



- Red (62%)
- Yellow (71%)
- Blue (83%)



- Cyan (26%)
- Magenta (6%)
- Yellow (0%)
- Black (17%)





- Cyan (38%)
- Magenta (22%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2301, 0.2735, 0.3135 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 53.2301, 0.2735, 0.3135 by changing the saturation by 10% instead.

 53.2301, 0.2735,
0.3135


 53.2301, 0.2735,
0.3135


399.1673, 0.2924,
0.3213

 37.9865, 0.2690,
0.3115

 94.9429, 0.2802,
0.3164

 25.9722, 0.2633,
0.3090


 122.1808, 0.2828,
0.3174

 16.8028, 0.2559,
0.3056


154.1857, 0.2850,
0.3183

 10.0940, 0.2460,
0.3009

191.3418, 0.2869,
0.3191

 5.4613, 0.2319,
0.2939

234.0337, 0.2885,
0.3198

 2.5204, 0.2105,
0.2825

282.6456, 0.2900,

 0.8868, 0.1676,

0.3204

0.2633

337.5620, 0.2913,
0.3209

0.0000, 0.0000,
0.0000

53.2301, 0.2735,
0.3135

53.2301, 0.2735,
0.3135

49.1725, 0.2594,
0.3066

57.7267, 0.2883,
0.3199

45.5279, 0.2464,
0.2993

62.6743, 0.3035,
0.3258

42.2770, 0.2347,
0.2916

68.0920, 0.3189,
0.3311

39.3962, 0.2247,
0.2837

73.9961, 0.3342,
0.3359

36.8588, 0.2165,
0.2757

78.8586, 0.3433,
0.3403

■ 34.6342, 0.2103,
0.2677

■ 81.3651, 0.3425,
0.3449

■ 32.6840, 0.2060,
0.2597

■ 83.9396, 0.3417,
0.3495

■ 31.9470, 0.2046,
0.2565

■ 86.5826, 0.3410,
0.3540

■ 89.2947, 0.3403,
0.3584

Harmonies

Analogous

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



53.2301, 0.2817, 0.3324



53.2301, 0.2735, 0.3135



53.2301, 0.2753, 0.2997

Triad

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



53.2301, 0.2735, 0.3135



53.2301, 0.3267, 0.3084



53.2301, 0.3384, 0.3654

Complementary

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



53.2301, 0.2735, 0.3135



44.7970, 0.3641, 0.3439

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.



53.2301, 0.3513, 0.3574



53.2301, 0.2735, 0.3135



53.2301, 0.3445, 0.3245

Square

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



53.2301, 0.2735, 0.3135



53.2301, 0.3055, 0.2974



53.2301, 0.3536, 0.3423



53.2301, 0.3189, 0.3633

Rectangle

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



53.2301, 0.2735, 0.3135



53.2301, 0.2821, 0.2950



53.2301, 0.3536, 0.3423



53.2301, 0.3437, 0.3638

Sweetspot

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



53.2322, 0.2735, 0.3135



93.5284, 0.3003, 0.3246



57.1203, 0.3016, 0.3863



19.7696, 0.2980, 0.3237



0.0000, 0.0000, 0.0000



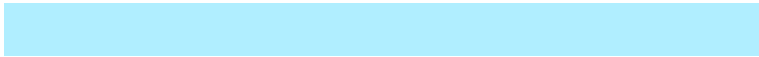
21.4041, 0.3127, 0.3290

Same Dimension

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



53.2322, 0.2735, 0.3135



77.4542, 0.2658, 0.3099



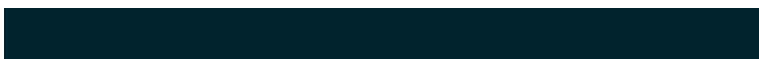
41.6379, 0.2701, 0.2767



13.6269, 0.2982, 0.3238



19.8720, 0.2049, 0.2576



1.3151, 0.2087, 0.2714

Inverse Universe

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



42.2716, 0.3263, 0.2779



58.4501, 0.3298, 0.2672



56.1014, 0.3560, 0.3763



12.5842, 0.3171, 0.3110



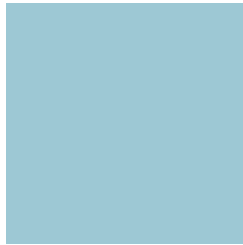
10.3509, 0.3847, 0.1893



0.6361, 0.3715, 0.1820

Previews

White Background



This preview shows how the Yxy color 53.2301, 0.2735, 0.3135 looks on a white background.

Color Contrast Check

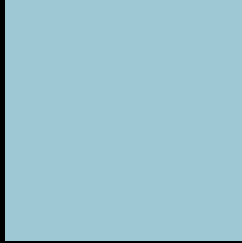
Large Text (above 18pt) WCAG AA × Fail

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 53.2301, 0.2735, 0.3135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

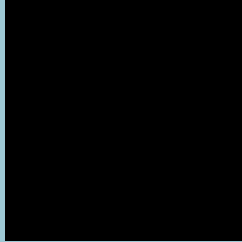
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

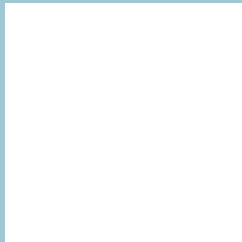
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.2301, 0.2735, 0.3135

Background



This preview shows how black text looks on a background with the Yxy color 53.2301, 0.2735, 0.3135.

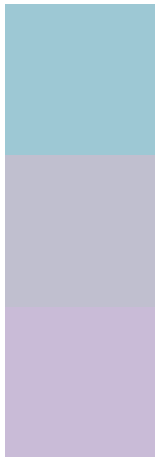


This preview shows how white text looks on a background with the Yxy color 53.2301, 0.2735, 0.3135.

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

53.2301, 0.2735, 0.3135

Protanopia

52.9731, 0.3017, 0.3095

Deuteranopia

52.8645, 0.3030, 0.2959



Tritanopia

53.0222, 0.2722, 0.3085

Trichromacy



Original Color

53.2301, 0.2735, 0.3135

Protanomaly

52.7707, 0.2904, 0.3103

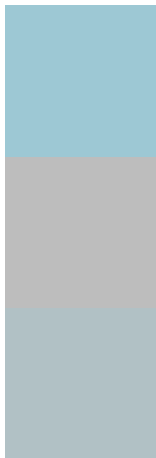
Deuteranomaly

52.8686, 0.2914, 0.3021

Tritanomaly

52.9710, 0.2728, 0.3097

Monochromacy



Original Color

53.2301, 0.2735, 0.3135

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.5183, 0.2972, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2301, 0.2735, 0.3135 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(157, 200, 212)` looks like.

```
.text, #text, p{  
    color:rgb(157, 200, 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(157, 200, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 200, 212) }
```

Border

The CSS property to change the border of an element to Yxy 53.2301, 0.2735, 0.3135 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(157, 200, 212) }
```

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

```
.border{ border-color:rgb(157, 200, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 200, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 200, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 200, 212);  
box-shadow:4px 4px 4px 4px rgb(157, 200,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2301, 0.2735, 0.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 200, 212) }
```

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

```
.background{ background-color: rgb(157,  
200, 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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