

Converting Colors

$Y_{xy}(50.3294, 0.2304, 0.3147)$

Have a look what the booklet for
Yxy(50.3294, 0.2304, 0.3147)
contains.

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Color

Yxy(50.3294, 0.2304, 0.3147)

Conversions

Conversions Part 1

Format	Color
Hex	44CED8
RGB	68, 206, 216
RGB Percent	27%, 81%, 85%
CMY	0.7336, 0.1921, 0.1529
CMYK	0.69, 0.05, 0.00, 0.15
HSL	184°, 66%, 56%
HSV	184°, 69%, 85%
XYZ	36.8475, 50.3294, 72.7513
YIQ	165.8780, -85.4580, -26.1460

Conversions

Conversions Part 2

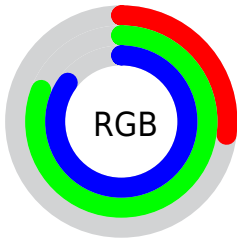
Format	Color
R_{YB}	68, 139, 216
Decimal	4509400
CIE _{Lab}	76.27, -33.14, -15.76
CIE _{LCh}	76, 36.696, 205.432
Yxy	50.3294, 0.2304, 0.3147
Android (android.graphics.Color)	4282699480 (0xFF44CED8)
YUV	165.8780, 24.7101, -85.8390
Hunter-Lab	70.9432, -31.4389, -11.1409

Details

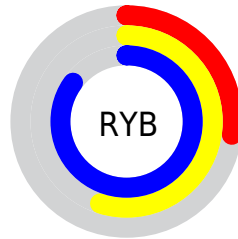
The Yxy color **50.3294, 0.2304, 0.3147** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.4584, 0.5325, 0.3395**, and the grayscale version is **37.9720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **24.7064, 0.2194, 0.3097** is the 20% darker color. If you saturate the color by 10%, you get **48.9934, 0.2248, 0.3124**, and if you desaturate by 10%, it is **51.9616, 0.2379, 0.3170**.

Distribution



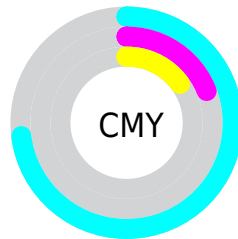
- Red (27%)
- Green (81%)
- Blue (85%)



- Red (27%)
- Yellow (55%)
- Blue (85%)



- Cyan (69%)
- Magenta (5%)
- Yellow (0%)
- Black (15%)





- Cyan (73%)
- Magenta (19%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3294, 0.2304, 0.3147 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 50.3294, 0.2304, 0.3147 by changing the saturation by 10% instead.


 50.3294, 0.2304,
0.3147


 50.3294, 0.2304,
0.3147


387.9527, 0.2698,
0.3230

 35.6752, 0.2212,
0.3123


 90.6627, 0.2443,
0.3179


 24.1835, 0.2097,
0.3092


 117.1107, 0.2496,
0.3191

 15.4698, 0.1950,
0.3047


 148.2586, 0.2542,
0.3200

 9.1497, 0.1758,
0.2980

 184.4910, 0.2581,
0.3208

 4.8390, 0.1496,
0.2874

226.1922, 0.2616,
0.3215

 2.1531, 0.1129,
0.2688

273.7466, 0.2646,

 0.6942, 0.0000,

0.3221

327.5387, 0.2673,
0.3225

0.2431

0.0000, 0.0000,
0.0000

50.3294, 0.2304,
0.3147

50.3294, 0.2304,
0.3147

48.9934, 0.2248,
0.3124

51.9616, 0.2379,
0.3170

47.9146, 0.2211,
0.3101

53.9126, 0.2473,
0.3193

47.0446, 0.2190,
0.3079

56.2091, 0.2584,
0.3215

46.9258, 0.2188,
0.3075

58.8735, 0.2710,
0.3236

61.9261, 0.2848,
0.3256

■ 65.3861, 0.2996,
0.3275

■ 69.2709, 0.3150,
0.3292

■ 73.5973, 0.3307,
0.3308

■ 76.9617, 0.3411,
0.3322

Harmonies

Analogous

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



50.3294, 0.2596, 0.3648



50.3294, 0.2304, 0.3147



50.3294, 0.2220, 0.2745

Triad

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



50.3294, 0.2304, 0.3147



50.3294, 0.3150, 0.2660



50.3294, 0.3935, 0.4051

Complementary

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



50.3294, 0.2304, 0.3147



20.4584, 0.5325, 0.3395

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.



50.3294, 0.4123, 0.3722



50.3294, 0.2304, 0.3147



50.3294, 0.3653, 0.2952

Square

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



50.3294, 0.2304, 0.3147



50.3294, 0.2677, 0.2507



50.3294, 0.4022, 0.3328



50.3294, 0.3534, 0.4198

Rectangle

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



50.3294, 0.2304, 0.3147



50.3294, 0.2284, 0.2578



50.3294, 0.4022, 0.3328



50.3294, 0.4027, 0.3955

Sweetspot

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



50.3313, 0.2304, 0.3147



88.9315, 0.2810, 0.3251



50.8957, 0.2989, 0.5374



18.7666, 0.2772, 0.3246



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.



50.3313, 0.2304, 0.3147



70.6274, 0.2231, 0.3114



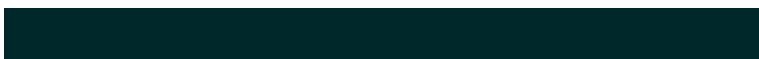
22.7146, 0.2023, 0.1994



13.9574, 0.2983, 0.3274



27.8335, 0.2189, 0.3079



1.7230, 0.2199, 0.3118

Inverse Universe

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



23.1837, 0.3312, 0.1849



29.5488, 0.3349, 0.1704



37.4248, 0.4582, 0.4227



12.6175, 0.3148, 0.3076



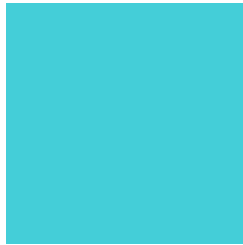
11.1547, 0.3385, 0.1639



0.6773, 0.3352, 0.1620

Previews

White Background



This preview shows how the Yxy color 50.3294, 0.2304, 0.3147 looks on a white background.

Color Contrast Check

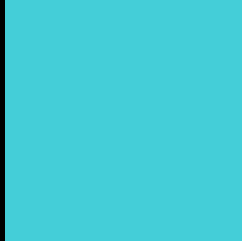
Large Text (above 18pt) WCAG AA × Fail

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 50.3294, 0.2304, 0.3147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

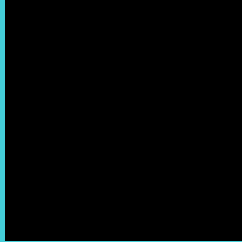
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3294, 0.2304, 0.3147

Background



This preview shows how black text looks on a background with the Yxy color 50.3294, 0.2304, 0.3147.

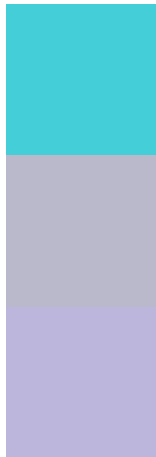


This preview shows how white text looks on a background with the Yxy color 50.3294, 0.2304, 0.3147.

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

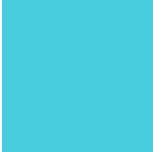
50.3294, 0.2304, 0.3147

Protanopia

49.3240, 0.2991, 0.3065

Deuteranopia

49.3677, 0.2884, 0.2818



Tritanopia

50.2762, 0.2284, 0.3052

Trichromacy



Original Color

50.3294, 0.2304, 0.3147



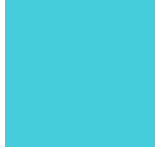
Protanomaly

48.4448, 0.2652, 0.3088



Deuteranomaly

48.3054, 0.2596, 0.2922



Tritanomaly

50.1320, 0.2289, 0.3079

Monochromacy



Original Color

50.3294, 0.2304, 0.3147



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.2543, 0.2704, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3294, 0.2304, 0.3147 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(68, 206, 216)` looks like.

```
.text, #text, p{  
    color:rgb(68, 206, 216)  
}
```

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(68, 206, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 206, 216) }
```

Border

The CSS property to change the border of an element to Yxy 50.3294, 0.2304, 0.3147 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(68, 206, 216) }
```

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

```
.border{ border-color:rgb(68, 206, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 206, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 206, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 206, 216);  
box-shadow:4px 4px 4px 4px rgb(68, 206,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3294, 0.2304, 0.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 206, 216) }
```

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

```
.background{ background-color: rgb(68, 206,  
216) }
```

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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