

# Converting Colors

$Yxy(50.2940, 0.2454, 0.3424)$

Have a look what the booklet for  
Yxy(50.2940, 0.2454, 0.3424)  
contains.

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# Color

**Yxy(50.1523, 0.2452, 0.3418)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56CEC5
RGB	86, 206, 197
RGB Percent	34%, 81%, 77%
CMY	0.6632, 0.1921, 0.2275
CMYK	0.58, 0.00, 0.04, 0.19
HSL	175°, 55%, 57%
HSV	175°, 58%, 81%
XYZ	35.9782, 50.1523, 60.5995
YIQ	169.0940, -68.6310, -28.2390

# Conversions

## Conversions Part 2

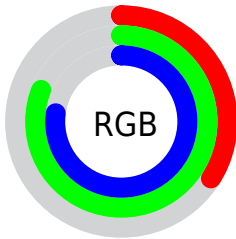
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 148, 206
Decimal	5689029
CIE <sub>Lab</sub>	76.16, -35.56, -5.61
CIE <sub>LCh</sub>	76, 36.002, 188.967
Yxy	50.1523, 0.2452, 0.3418
Android (android.graphics.Color)	4283879109 (0xFF56CEC5)
YUV	169.0940, 13.7577, -72.8734
Hunter-Lab	70.8183, -33.2477, -1.1619

# Details

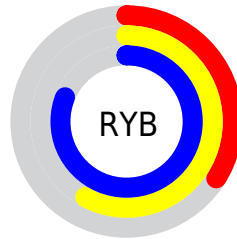
The Yxy color **50.1523, 0.2452, 0.3418** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.5873, 0.4775, 0.3188**, and the grayscale version is **39.6681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8788, 0.2553, 0.3299**, and **24.1164, 0.2291, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **49.2441, 0.2390, 0.3443**, and if you desaturate by 10%, it is **51.3468, 0.2533, 0.3393**.

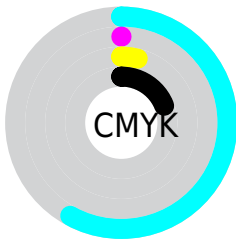
# Distribution



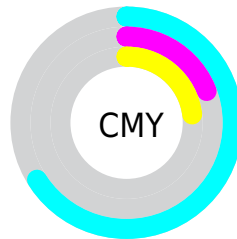
- Red (34%)
- Green (81%)
- Blue (77%)



- Red (34%)
- Yellow (58%)
- Blue (81%)



- Cyan (58%)
- Magenta (0%)
- Yellow (4%)
- Black (19%)




- Cyan (66%)
- Magenta (19%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1523, 0.2452, 0.3418 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 50.1523, 0.2452, 0.3418 by changing the saturation by 10% instead.





 50.1523, 0.2452,  
0.3418


 50.1523, 0.2452,  
0.3418


387.2612, 0.2780,  
0.3361


 35.5344, 0.2373,  
0.3430


 90.4005, 0.2569,  
0.3399


 24.0748, 0.2274,  
0.3444


 116.7996, 0.2613,  
0.3391

 15.3891, 0.2146,  
0.3461


 147.8946, 0.2651,  
0.3385

 9.0930, 0.1974,  
0.3481

 184.0698, 0.2684,  
0.3379

 4.8019, 0.1732,  
0.3502

225.7097, 0.2713,  
0.3373

 2.1315, 0.1373,  
0.3515

273.1986, 0.2738,

 0.6822, 0.0000,

0.3369

0.3733

326.9210, 0.2760,  
0.3365

0.0000, 0.0000,  
0.0000

50.1523, 0.2452,  
0.3418

50.1523, 0.2452,  
0.3418

49.2441, 0.2390,  
0.3443

51.3468, 0.2533,  
0.3393

48.5913, 0.2346,  
0.3469

52.8437, 0.2632,  
0.3369

48.1665, 0.2322,  
0.3494

54.6648, 0.2746,  
0.3346

47.9253, 0.2313,  
0.3519

56.8283, 0.2872,  
0.3325

47.8913, 0.2312,  
0.3523

59.3510, 0.3008,  
0.3305

■ 62.2486, 0.3152,  
0.3287

■ 65.5359, 0.3299,  
0.3271

■ 69.2267, 0.3448,  
0.3256

■ 70.1095, 0.3470,  
0.3241

# Harmonies

## Analogous

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



50.1523, 0.2833, 0.3886



50.1523, 0.2452, 0.3418



50.1523, 0.2254, 0.2952

# Triad

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



50.1523, 0.2452, 0.3418



50.1523, 0.2882, 0.2568



50.1523, 0.4055, 0.3876

# Complementary

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



50.1523, 0.2452, 0.3418



20.5873, 0.4775, 0.3188

# 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.



50.1523, 0.4087, 0.3506



50.1523, 0.2452, 0.3418



50.1523, 0.3379, 0.2786

# Square

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



50.1523, 0.2452, 0.3418



50.1523, 0.2486, 0.2508



50.1523, 0.3833, 0.3118



50.1523, 0.3764, 0.4132



# Rectangle

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



50.1523, 0.2452, 0.3418



50.1523, 0.2239, 0.2719



50.1523, 0.3833, 0.3118



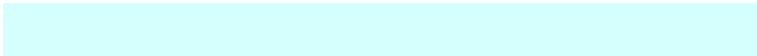
50.1523, 0.4098, 0.3760

# Sweetspot

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



50.1542, 0.2452, 0.3418



92.4770, 0.2887, 0.3323



47.3019, 0.3096, 0.5126



19.6286, 0.2860, 0.3327



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.



50.1542, 0.2452, 0.3418



79.4630, 0.2377, 0.3450



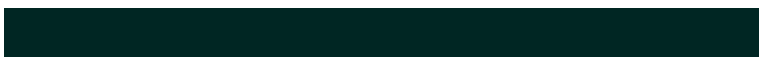
30.1953, 0.2240, 0.2519



12.7119, 0.2993, 0.3307



29.4912, 0.2311, 0.3520



1.5259, 0.2297, 0.3470



# Inverse Universe

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



20.5873, 0.4775, 0.3188



27.2348, 0.5349, 0.3188



31.3867, 0.4477, 0.3911



11.2271, 0.3278, 0.3273



8.1077, 0.6310, 0.3250

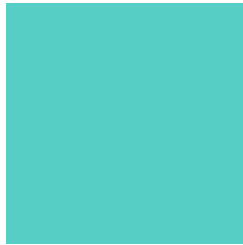


0.4231, 0.6025, 0.3093



# Previews

## White Background



This preview shows how the Yxy color 50.1523, 0.2452, 0.3418 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 50.1523, 0.2452, 0.3418 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

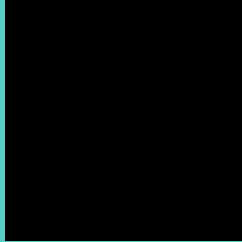
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

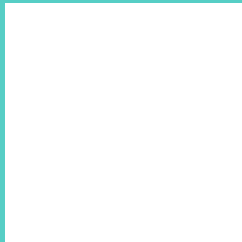
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.1523, 0.2452, 0.3418**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.1523, 0.2452, 0.3418.

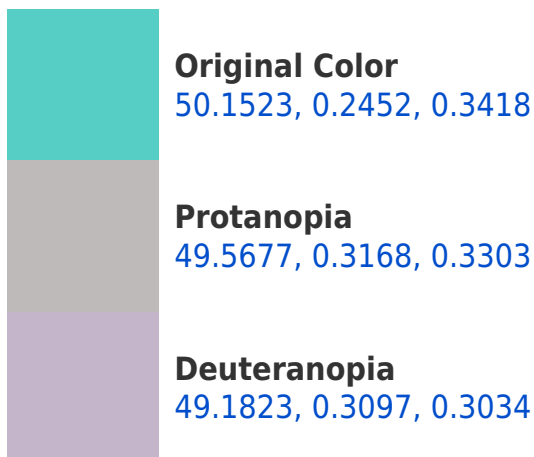


This preview shows how white text looks on a background with the Yxy color 50.1523, 0.2452, 0.3418.

# 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





## Tritanopia

50.2592, 0.2373, 0.3068

# Trichromacy



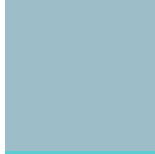
## Original Color

50.1523, 0.2452, 0.3418



## Protanomaly

48.4895, 0.2841, 0.3344



## Deuteranomaly

48.1651, 0.2801, 0.3156



## Tritanomaly

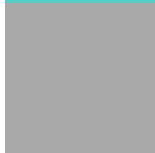
50.1642, 0.2402, 0.3190

# Monochromacy



## Original Color

50.1523, 0.2452, 0.3418



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

42.1995, 0.2804, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.1523, 0.2452, 0.3418 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(86, 206, 197)` looks like.

```
.text, #text, p{  
    color:rgb(86, 206, 197)  
}
```

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(86, 206, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 206, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 50.1523, 0.2452, 0.3418 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(86, 206, 197) }
```

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

```
.border{ border-color:rgb(86, 206, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 206, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 206, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 206, 197);  
box-shadow:4px 4px 4px 4px rgb(86, 206,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.1523, 0.2452, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 206, 197) }
```

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

```
.background{ background-color: rgb(86, 206,  
197) }
```

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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