

Converting Colors

$Y_{xy}(45.0309, 0.2531, 0.3429)$

Have a look what the booklet for
Yxy(45.0309, 0.2531, 0.3429)
contains.

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Color

Yxy(45.0744, 0.2532, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	61C3B9
RGB	97, 195, 185
RGB Percent	38%, 76%, 73%
CMY	0.6198, 0.2353, 0.2746
CMYK	0.50, 0.00, 0.05, 0.24
HSL	174°, 45%, 57%
HSV	174°, 50%, 76%
XYZ	33.1962, 45.0744, 52.8359
YIQ	164.5580, -55.1980, -23.8860

Conversions

Conversions Part 2

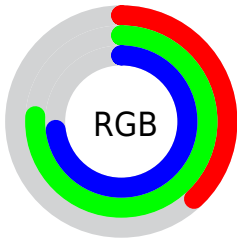
Format	Color
RYB	97, 149, 195
Decimal	6407097
CIELab	72.94, -31.25, -3.82
CIELCh	73, 31.482, 186.965
Yxy	45.0744, 0.2532, 0.3438
Android (android.graphics.Color)	4284597177 (0xFF61C3B9)
YUV	164.5580, 10.0779, -59.2484
Hunter-Lab	67.1375, -29.2312, 0.3361

Details

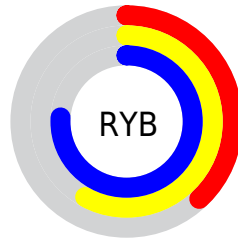
The Yxy color **45.0744, 0.2532, 0.3438** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.2067, 0.4387, 0.3161**, and the grayscale version is **37.3703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8417, 0.2638, 0.3413**, and **21.0390, 0.2367, 0.3478** is the 20% darker color. If you saturate the color by 10%, you get **44.0502, 0.2456, 0.3472**, and if you desaturate by 10%, it is **46.3665, 0.2625, 0.3405**.

Distribution



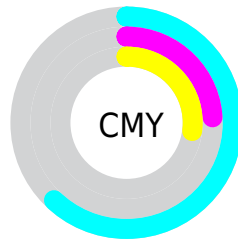
- Red (38%)
- Green (76%)
- Blue (73%)



- Red (38%)
- Yellow (58%)
- Blue (76%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)



- Cyan (62%)
- Magenta (24%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0744, 0.2532, 0.3438 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 45.0744, 0.2532, 0.3438 by changing the saturation by 10% instead.


 45.0744, 0.2532,
0.3438

 45.0744, 0.2532,
0.3438


367.0748, 0.2827,
0.3368

 31.5160, 0.2459,
0.3454


 82.8320, 0.2639,
0.3413

 20.9921, 0.2366,
0.3474


 107.8001, 0.2679,
0.3404

 13.1182, 0.2244,
0.3500


 137.3402, 0.2713,
0.3396

 7.5100, 0.2075,
0.3532

 171.8367, 0.2742,
0.3389

 3.7831, 0.1831,
0.3574

211.6740, 0.2768,
0.3382

 1.5530, 0.1405,
0.3644

257.2366, 0.2790,

 0.3256, 0.0000,

0.3377

0.3438

308.9087, 0.2810,
0.3372

0.0000, 0.0000,
0.0000

45.0744, 0.2532,
0.3438

45.0744, 0.2532,
0.3438

44.0502, 0.2456,
0.3472

46.3665, 0.2625,
0.3405

43.2691, 0.2399,
0.3507

47.9389, 0.2733,
0.3373

42.7103, 0.2361,
0.3542

49.8096, 0.2854,
0.3343

42.3473, 0.2342,
0.3577

51.9934, 0.2985,
0.3316

42.1325, 0.2336,
0.3611

54.5042, 0.3123,
0.3291

■ 57.3551, 0.3265,
0.3268

■ 60.5585, 0.3409,
0.3248

■ 64.1261, 0.3553,
0.3230

■ 64.6041, 0.3553,
0.3209

Harmonies

Analogous

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



45.0744, 0.2890, 0.3849



45.0744, 0.2532, 0.3438



45.0744, 0.2336, 0.3013

Triad

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



45.0744, 0.2532, 0.3438



45.0744, 0.2878, 0.2621



45.0744, 0.3980, 0.3808

Complementary

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



45.0744, 0.2532, 0.3438



21.2067, 0.4387, 0.3161

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.



45.0744, 0.3989, 0.3468



45.0744, 0.2532, 0.3438



45.0744, 0.3326, 0.2813

Square

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



45.0744, 0.2532, 0.3438



45.0744, 0.2525, 0.2578



45.0744, 0.3743, 0.3113



45.0744, 0.3731, 0.4045

Rectangle

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



45.0744, 0.2532, 0.3438



45.0744, 0.2313, 0.2792



45.0744, 0.3743, 0.3113



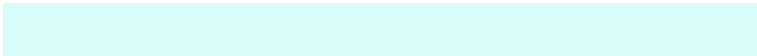
45.0744, 0.4012, 0.3701

Sweetspot

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



45.0762, 0.2532, 0.3438



91.1008, 0.2919, 0.3329



43.1107, 0.3130, 0.4835



19.7688, 0.2891, 0.3335



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.



45.0762, 0.2532, 0.3438



78.7808, 0.2452, 0.3475



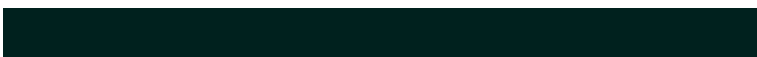
30.7375, 0.2364, 0.2701



11.4101, 0.2998, 0.3313



27.3876, 0.2335, 0.3606



1.1886, 0.2314, 0.3529

Inverse Universe

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



21.2067, 0.4387, 0.3161



31.3552, 0.4829, 0.3146



29.6672, 0.4254, 0.3794



10.0943, 0.3273, 0.3267



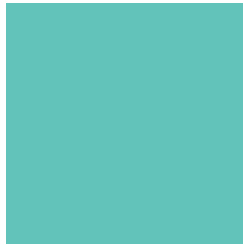
7.5795, 0.6266, 0.3226



0.3332, 0.5854, 0.2999

Previews

White Background



This preview shows how the Yxy color 45.0744, 0.2532, 0.3438 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 45.0744, 0.2532, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

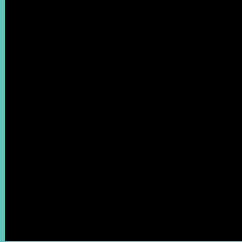
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

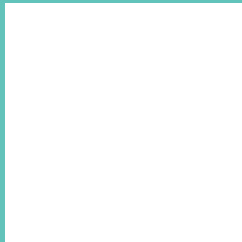
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0744, 0.2532, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 45.0744, 0.2532, 0.3438.

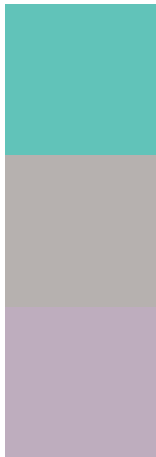


This preview shows how white text looks on a background with the Yxy color 45.0744, 0.2532, 0.3438.

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

45.0744, 0.2532, 0.3438

Protanopia

44.4845, 0.3187, 0.3317

Deuteranopia

44.5520, 0.3137, 0.3074



Tritanopia

45.1473, 0.2440, 0.3075

Trichromacy



Original Color

45.0744, 0.2532, 0.3438

Protanomaly

44.1150, 0.2897, 0.3360

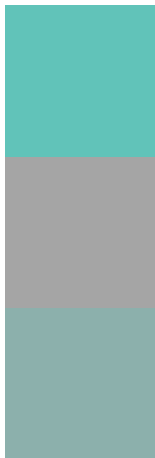
Deuteranomaly

43.7465, 0.2869, 0.3193

Tritanomaly

45.0302, 0.2470, 0.3201

Monochromacy



Original Color

45.0744, 0.2532, 0.3438

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.6047, 0.2856, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0744, 0.2532, 0.3438 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(97, 195, 185)` looks like.

```
.text, #text, p{  
  color:rgb(97, 195, 185)  
}
```

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(97, 195, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 195, 185) }
```

Border

The CSS property to change the border of an element to Yxy 45.0744, 0.2532, 0.3438 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(97, 195, 185) }
```

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

```
.border{ border-color:rgb(97, 195, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 195, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 195, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 195, 185);  
box-shadow:4px 4px 4px 4px rgb(97, 195,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0744, 0.2532, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 195, 185) }
```

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

```
.background{ background-color: rgb(97, 195,  
185) }
```

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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