

Converting Colors

$Y_{xy}(45.3104, 0.2608, 0.3244)$

Have a look what the booklet for
Yxy(45.3104, 0.2608, 0.3244)
contains.

Yxy(45.2942, 0.2608, 0.3246)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.2942, 0.2608, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	7ABFC2
RGB	122, 191, 194
RGB Percent	48%, 75%, 76%
CMY	0.5216, 0.2510, 0.2393
CMYK	0.37, 0.02, 0.00, 0.24
HSL	182°, 37%, 62%
HSV	182°, 37%, 76%
XYZ	36.3916, 45.2942, 57.8527
YIQ	170.7110, -42.0870, -13.6950

Conversions

Conversions Part 2

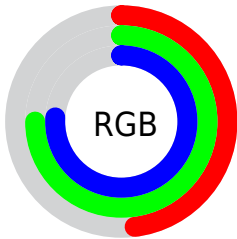
Format	Color
R_{YB}	122, 157, 194
Decimal	8044482
CIE _{Lab}	73.09, -20.92, -8.39
CIE _{LCh}	73, 22.538, 201.864
Yxy	45.2942, 0.2608, 0.3246
Android (android.graphics.Color)	4286234562 (0xFF7ABFC2)
YUV	170.7110, 11.4815, -42.7195
Hunter-Lab	67.3010, -21.2564, -3.8557

Details

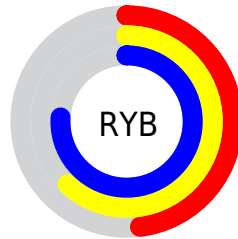
The Yxy color **45.2942, 0.2608, 0.3246** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.5312, 0.4006, 0.3333**, and the grayscale version is **40.5289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3840, 0.2702, 0.3267**, and **21.0137, 0.2468, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **43.6698, 0.2498, 0.3233**, and if you desaturate by 10%, it is **47.2067, 0.2733, 0.3259**.

Distribution



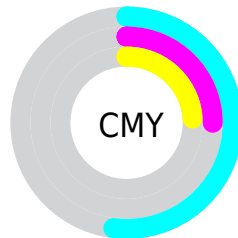
- Red (48%)
- Green (75%)
- Blue (76%)



- Red (48%)
- Yellow (62%)
- Blue (76%)



- Cyan (37%)
- Magenta (2%)
- Yellow (0%)
- Black (24%)




- Cyan (52%)
- Magenta (25%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2942, 0.2608, 0.3246 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 45.2942, 0.2608, 0.3246 by changing the saturation by 10% instead.


 45.2942, 0.2608,
0.3246


 45.2942, 0.2608,
0.3246


367.9638, 0.2865,
0.3273


 31.6892, 0.2545,
0.3238


 83.1617, 0.2701,
0.3257

 21.1242, 0.2465,
0.3226


 108.1930, 0.2736,
0.3261

 13.2148, 0.2359,
0.3210


 137.8019, 0.2765,
0.3264

 7.5767, 0.2214,
0.3183

172.3728, 0.2791,
0.3266

 3.8253, 0.2004,
0.3138

212.2900, 0.2813,
0.3268

 1.5763, 0.1675,
0.3047

257.9380, 0.2832,

 0.3415, 0.0000,

0.3270

0.2627

309.7011, 0.2849,
0.3272

0.0000, 0.0000,
0.0000

45.2942, 0.2608,
0.3246

45.2942, 0.2608,
0.3246

43.6698, 0.2498,
0.3233

47.2067, 0.2733,
0.3259

42.3112, 0.2404,
0.3219

49.4175, 0.2871,
0.3271

41.2015, 0.2330,
0.3205

51.9427, 0.3018,
0.3282

40.3196, 0.2274,
0.3191

54.7957, 0.3172,
0.3293

39.6407, 0.2237,
0.3177

57.9893, 0.3329,
0.3302

■ 39.1309, 0.2216,
0.3164

■ 61.5355, 0.3488,
0.3311

■ 38.9971, 0.2211,
0.3160

■ 64.9144, 0.3623,
0.3319

■ 65.2786, 0.3621,
0.3327

■ 65.6447, 0.3619,
0.3335

Harmonies

Analogous

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



45.2942, 0.2820, 0.3550



45.2942, 0.2608, 0.3246



45.2942, 0.2531, 0.2975

Triad

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



45.2942, 0.2608, 0.3246



45.2942, 0.3109, 0.2857



45.2942, 0.3671, 0.3768

Complementary

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



45.2942, 0.2608, 0.3246



27.5312, 0.4006, 0.3333

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.



45.2942, 0.3762, 0.3557



45.2942, 0.2608, 0.3246



45.2942, 0.3429, 0.3045

Square

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



45.2942, 0.2608, 0.3246



45.2942, 0.2808, 0.2769



45.2942, 0.3673, 0.3296



45.2942, 0.3433, 0.3859

Rectangle

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



45.2942, 0.2608, 0.3246



45.2942, 0.2562, 0.2849



45.2942, 0.3673, 0.3296



45.2942, 0.3720, 0.3707

Sweetspot

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



45.2960, 0.2608, 0.3246



92.1964, 0.2958, 0.3278



44.1781, 0.3059, 0.4363



20.0510, 0.2937, 0.3276



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.



45.2960, 0.2608, 0.3246



79.5165, 0.2512, 0.3235



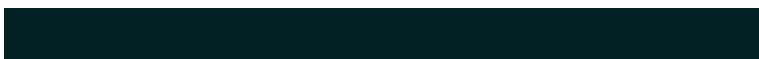
31.6702, 0.2532, 0.2711



11.3547, 0.2984, 0.3280



25.6752, 0.2212, 0.3162



1.1318, 0.2220, 0.3192

Inverse Universe

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



29.1462, 0.3200, 0.2416



45.9627, 0.3219, 0.2227



38.1481, 0.3828, 0.3804



10.2401, 0.3144, 0.3072



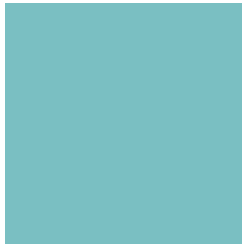
9.8742, 0.3314, 0.1599



0.4289, 0.3289, 0.1585

Previews

White Background



This preview shows how the Yxy color 45.2942, 0.2608, 0.3246 looks on a white background.

Color Contrast Check

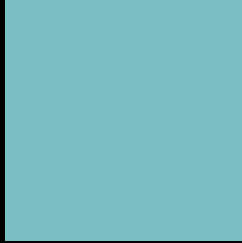
Large Text (above 18pt) WCAG AA × Fail

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 45.2942, 0.2608, 0.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

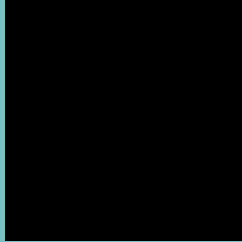
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

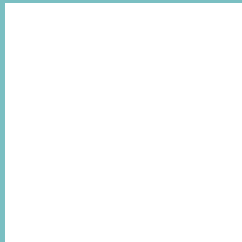
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2942, 0.2608, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 45.2942, 0.2608, 0.3246.



This preview shows how white text looks on a background with the Yxy color 45.2942, 0.2608, 0.3246.

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

45.2942, 0.2608, 0.3246

Protanopia

45.0893, 0.3080, 0.3185

Deuteranopia

44.9141, 0.3046, 0.2986



Tritanopia

45.1629, 0.2557, 0.3065

Trichromacy



Original Color

45.2942, 0.2608, 0.3246

Protanomaly

44.9120, 0.2887, 0.3208

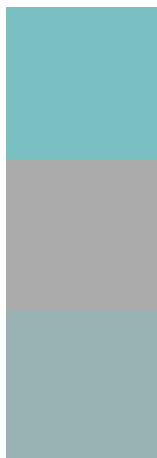
Deuteranomaly

44.4603, 0.2859, 0.3062

Tritanomaly

45.3290, 0.2577, 0.3134

Monochromacy



Original Color

45.2942, 0.2608, 0.3246

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.8678, 0.2910, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2942, 0.2608, 0.3246 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(122, 191, 194)` looks like.

```
.text, #text, p{  
    color:rgb(122, 191, 194)  
}
```

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(122, 191, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 191, 194) }
```

Border

The CSS property to change the border of an element to Yxy 45.2942, 0.2608, 0.3246 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(122, 191, 194) }
```

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

```
.border{ border-color:rgb(122, 191, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 191, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 191, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 191, 194);  
box-shadow:4px 4px 4px 4px rgb(122, 191,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2942, 0.2608, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 191, 194) }
```

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

```
.background{ background-color: rgb(122,  
191, 194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor