

Converting Colors

$Y_{xy}(54.1252, 0.2472, 0.3302)$

Have a look what the booklet for
Yxy(54.1252, 0.2472, 0.3302)
contains.

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Color

Yxy(54.1252, 0.2472, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	67D3D2
RGB	103, 211, 210
RGB Percent	40%, 83%, 82%
CMY	0.5960, 0.1725, 0.1765
CMYK	0.51, 0.00, 0.00, 0.17
HSL	179°, 55%, 62%
HSV	179°, 51%, 83%
XYZ	40.5201, 54.1252, 69.2711
YIQ	178.5940, -64.0470, -23.2070

Conversions

Conversions Part 2

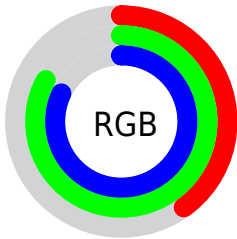
Format	Color
RYB	103, 157, 211
Decimal	6804434
CIELab	78.53, -31.17, -9.02
CIELCh	79, 32.445, 196.145
Yxy	54.1252, 0.2472, 0.3302
Android (android.graphics.Color)	4284994514 (0xFF67D3D2)
YUV	178.5940, 15.4832, -66.2959
Hunter-Lab	73.5698, -30.4346, -4.3267

Details

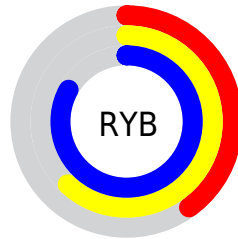
The Yxy color **54.1252, 0.2472, 0.3302** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.5548, 0.4574, 0.3282**, and the grayscale version is **44.7970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **26.5523, 0.2305, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **53.0228, 0.2392, 0.3305**, and if you desaturate by 10%, it is **55.5466, 0.2571, 0.3299**.

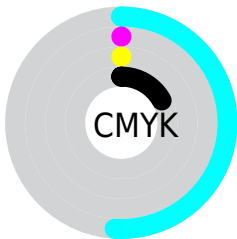
Distribution



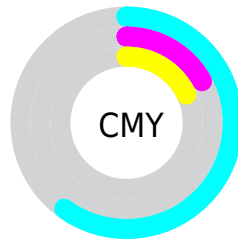
- Red (40%)
- Green (83%)
- Blue (82%)



- Red (40%)
- Yellow (62%)
- Blue (83%)



- Cyan (51%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)





- Cyan (60%)
- Magenta (17%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.1252, 0.2472, 0.3302 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 54.1252, 0.2472, 0.3302 by changing the saturation by 10% instead.


 54.1252, 0.2472,
0.3302

 54.1252, 0.2472,
0.3302


402.5873, 0.2785,
0.3303


 38.7018, 0.2398,
0.3300

 96.2580, 0.2582,
0.3304

 26.5278, 0.2306,
0.3295

 123.7363, 0.2625,
0.3304

 17.2189, 0.2188,
0.3288


 156.0015, 0.2661,
0.3304

 10.3907, 0.2031,
0.3275

 193.4382, 0.2693,
0.3304

 5.6588, 0.1815,
0.3249

236.4307, 0.2720,
0.3304

 2.6387, 0.1500,
0.3193

285.3635, 0.2744,

 0.9462, 0.0469,

0.3304

340.6209, 0.2766,
0.3304

0.3237

0.0000, 0.0000,
0.0000

54.1252, 0.2472,
0.3302

54.1252, 0.2472,
0.3302

53.0228, 0.2392,
0.3305

55.5466, 0.2571,
0.3299

52.2089, 0.2331,
0.3308

57.3024, 0.2686,
0.3297

51.6581, 0.2289,
0.3311

59.4143, 0.2816,
0.3294

51.3373, 0.2265,
0.3314

61.9007, 0.2958,
0.3292

51.1939, 0.2255,
0.3316

64.7784, 0.3109,
0.3290

■ 68.0633, 0.3266,
0.3289

■ 71.7706, 0.3425,
0.3287

■ 72.5824, 0.3456,
0.3285

■ 72.5925, 0.3455,
0.3283

Harmonies

Analogous

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



54.1252, 0.2779, 0.3722



54.1252, 0.2472, 0.3302



54.1252, 0.2337, 0.2916

Triad

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



54.1252, 0.2472, 0.3302



54.1252, 0.3014, 0.2682



54.1252, 0.3902, 0.3880

Complementary

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



54.1252, 0.2472, 0.3302



24.5548, 0.4574, 0.3282

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.



54.1252, 0.3987, 0.3571



54.1252, 0.2472, 0.3302



54.1252, 0.3454, 0.2907

Square

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



54.1252, 0.2472, 0.3302



54.1252, 0.2633, 0.2594



54.1252, 0.3820, 0.3222



54.1252, 0.3606, 0.4057

Rectangle

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



54.1252, 0.2472, 0.3302



54.1252, 0.2354, 0.2732



54.1252, 0.3820, 0.3222



54.1252, 0.3958, 0.3786

Sweetspot

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



54.1273, 0.2472, 0.3302



93.4301, 0.2900, 0.3293



50.5624, 0.3062, 0.4907



19.8240, 0.2870, 0.3293



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.



54.1273, 0.2472, 0.3302



81.3236, 0.2388, 0.3305



32.3202, 0.2316, 0.2518



13.4051, 0.2984, 0.3292



30.8954, 0.2254, 0.3316



1.7281, 0.2253, 0.3310

Inverse Universe

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



24.5548, 0.4574, 0.3282



31.2073, 0.5058, 0.3282



38.3429, 0.4213, 0.3933



11.8100, 0.3289, 0.3288



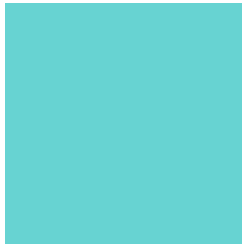
8.3613, 0.6390, 0.3294



0.4682, 0.6352, 0.3273

Previews

White Background



This preview shows how the Yxy color 54.1252, 0.2472, 0.3302 looks on a white background.

Color Contrast Check

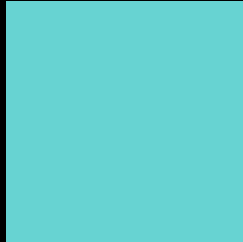
Large Text (above 18pt) WCAG AA × Fail

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 54.1252, 0.2472, 0.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

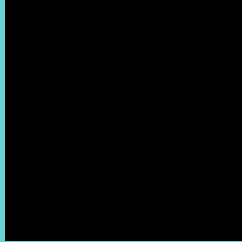
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

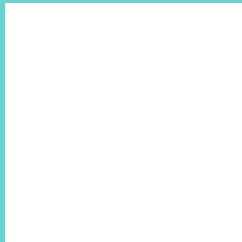
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.1252, 0.2472, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 54.1252, 0.2472, 0.3302.



This preview shows how white text looks on a background with the Yxy color 54.1252, 0.2472, 0.3302.

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

54.1252, 0.2472, 0.3302

Protanopia

53.4249, 0.3099, 0.3205

Deuteranopia

53.4293, 0.3038, 0.2972



Tritanopia

54.2253, 0.2416, 0.3076

Trichromacy



Original Color

54.1252, 0.2472, 0.3302



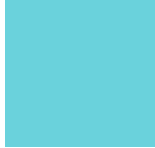
Protanomaly

52.8400, 0.2825, 0.3238



Deuteranomaly

52.3909, 0.2786, 0.3074



Tritanomaly

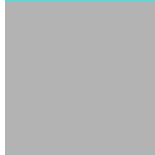
54.3247, 0.2433, 0.3154

Monochromacy



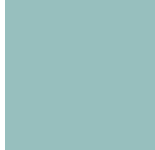
Original Color

54.1252, 0.2472, 0.3302



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

47.5586, 0.2826, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1252, 0.2472, 0.3302 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(103, 211, 210)` looks like.

```
.text, #text, p{  
    color:rgb(103, 211, 210)  
}
```

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(103, 211, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 211, 210) }
```

Border

The CSS property to change the border of an element to Yxy 54.1252, 0.2472, 0.3302 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(103, 211, 210) }
```

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

```
.border{ border-color:rgb(103, 211, 210) }
```

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

Here you see how a box with a 4 pixel rgb(103, 211, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 211, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 211, 210);  
box-shadow:4px 4px 4px 4px rgb(103, 211,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1252, 0.2472, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 211, 210) }
```

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

```
.background{ background-color: rgb(103,  
211, 210) }
```

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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