

Converting Colors

$Y_{xy}(54.4820, 0.2586, 0.3249)$

Have a look what the booklet for
Yxy(54.4820, 0.2586, 0.3249)
contains.

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Color

Yxy(54.4820, 0.2586, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	81D0D3
RGB	129, 208, 211
RGB Percent	51%, 82%, 83%
CMY	0.4941, 0.1843, 0.1726
CMYK	0.39, 0.01, 0.00, 0.17
HSL	182°, 48%, 67%
HSV	182°, 39%, 83%
XYZ	43.3643, 54.4820, 69.8423
YIQ	184.7210, -48.0470, -15.8150

Conversions

Conversions Part 2

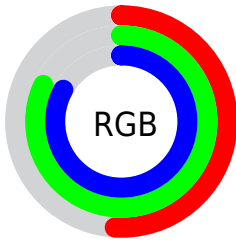
Format	Color
RYB	129, 169, 211
Decimal	8507603
CIELab	78.74, -23.45, -9.14
CIELCh	79, 25.169, 201.283
Yxy	54.4820, 0.2586, 0.3249
Android (android.graphics.Color)	4286697683 (0xFF81D0D3)
YUV	184.7210, 12.9555, -48.8673
Hunter-Lab	73.8119, -24.3027, -4.4330

Details

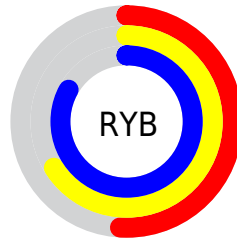
The Yxy color **54.4820, 0.2586, 0.3249** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.9252, 0.4075, 0.3330**, and the grayscale version is **48.2998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **26.6333, 0.2442, 0.3215** is the 20% darker color. If you saturate the color by 10%, you get **52.6271, 0.2479, 0.3237**, and if you desaturate by 10%, it is **56.6840, 0.2709, 0.3260**.

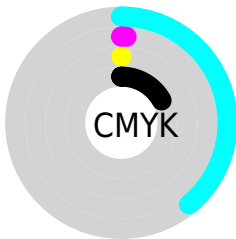
Distribution



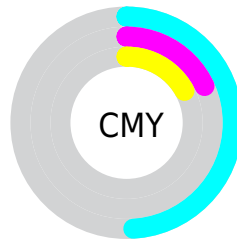
- Red (51%)
- Green (82%)
- Blue (83%)



- Red (51%)
- Yellow (66%)
- Blue (83%)



- Cyan (39%)
- Magenta (1%)
- Yellow (0%)
- Black (17%)





- Cyan (49%)
- Magenta (18%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.4820, 0.2586, 0.3249 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 54.4820, 0.2586, 0.3249 by changing the saturation by 10% instead.

 54.4820, 0.2586,
0.3249


 54.4820, 0.2586,
0.3249


403.9454, 0.2845,
0.3274

 38.9871, 0.2525,
0.3241

 96.7816, 0.2678,
0.3259

 26.7497, 0.2448,
0.3231


 124.3551, 0.2713,
0.3263

 17.3853, 0.2349,
0.3216


 156.7237, 0.2743,
0.3265

 10.5096, 0.2218,
0.3194

194.2716, 0.2769,
0.3268

 5.7381, 0.2034,
0.3157

237.3834, 0.2791,
0.3270

 2.6865, 0.1761,
0.3089

286.4433, 0.2811,


 0.9703, 0.1082,


0.3272

0.3024


341.8358, 0.2829,
0.3273


 0.0000, 0.0000,
0.0000

 54.4820, 0.2586,
0.3249


 54.4820, 0.2586,
0.3249


 52.6271, 0.2479,
0.3237

 56.6840, 0.2709,
0.3260

 51.0919, 0.2389,
0.3225


 59.2461, 0.2845,
0.3271

 49.8548, 0.2319,
0.3213

 62.1882, 0.2991,
0.3282

 48.8893, 0.2268,
0.3201

 65.5272, 0.3145,
0.3291

 48.1637, 0.2235,
0.3189

 69.2787, 0.3303,
0.3300

■ 47.6281, 0.2217,
0.3177

■ 73.3460, 0.3458,
0.3307

■ 47.5711, 0.2215,
0.3176

■ 73.7305, 0.3457,
0.3315

■ 74.1168, 0.3455,
0.3323

■ 74.5049, 0.3454,
0.3331

Harmonies

Analogous

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



54.4820, 0.2810, 0.3570



54.4820, 0.2586, 0.3249



54.4820, 0.2503, 0.2963

Triad

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



54.4820, 0.2586, 0.3249



54.4820, 0.3101, 0.2833



54.4820, 0.3701, 0.3787

Complementary

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



54.4820, 0.2586, 0.3249



31.9252, 0.4075, 0.3330

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.



54.4820, 0.3794, 0.3564



54.4820, 0.2586, 0.3249



54.4820, 0.3437, 0.3029

Square

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



54.4820, 0.2586, 0.3249



54.4820, 0.2787, 0.2744



54.4820, 0.3697, 0.3290



54.4820, 0.3453, 0.3888

Rectangle

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



54.4820, 0.2586, 0.3249



54.4820, 0.2533, 0.2830



54.4820, 0.3697, 0.3290



54.4820, 0.3752, 0.3723

Sweetspot

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



54.4841, 0.2586, 0.3249



93.9459, 0.2943, 0.3278



52.9028, 0.3056, 0.4430



19.9788, 0.2923, 0.3277



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.



54.4841, 0.2586, 0.3249



81.1640, 0.2492, 0.3239



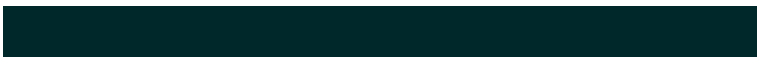
37.1007, 0.2500, 0.2674



13.3305, 0.2983, 0.3281



28.7503, 0.2216, 0.3177



1.6310, 0.2222, 0.3199

Inverse Universe

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



34.1007, 0.3200, 0.2368



45.5733, 0.3218, 0.2180



45.2109, 0.3873, 0.3831



12.0014, 0.3143, 0.3069



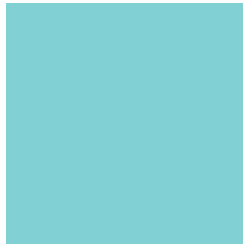
10.9736, 0.3301, 0.1592



0.6159, 0.3283, 0.1582

Previews

White Background



This preview shows how the Yxy color 54.4820, 0.2586, 0.3249 looks on a white background.

Color Contrast Check

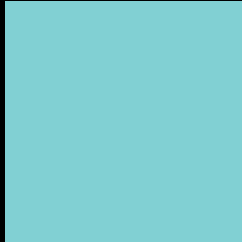
Large Text (above 18pt) WCAG AA × Fail

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 54.4820, 0.2586, 0.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

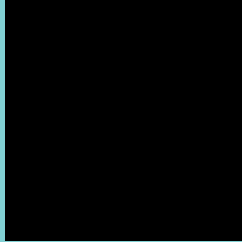
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

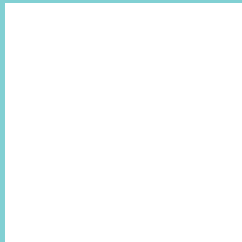
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.4820, 0.2586, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 54.4820, 0.2586, 0.3249.

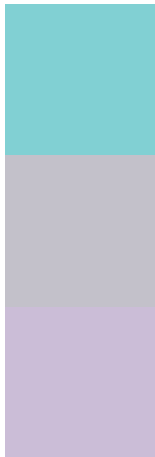


This preview shows how white text looks on a background with the Yxy color 54.4820, 0.2586, 0.3249.

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

54.4820, 0.2586, 0.3249

Protanopia

54.0063, 0.3077, 0.3181

Deuteranopia

53.9980, 0.3045, 0.2985



Tritanopia

54.3759, 0.2534, 0.3068

Trichromacy



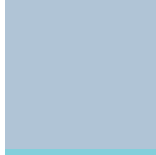
Original Color

54.4820, 0.2586, 0.3249



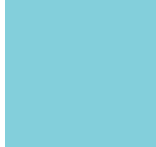
Protanomaly

53.4539, 0.2875, 0.3201



Deuteranomaly

53.5650, 0.2850, 0.3066



Tritanomaly

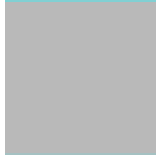
54.5654, 0.2552, 0.3132

Monochromacy



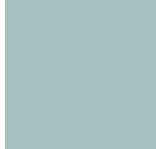
Original Color

54.4820, 0.2586, 0.3249



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

50.0343, 0.2902, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4820, 0.2586, 0.3249 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(129, 208, 211)` looks like.

```
.text, #text, p{  
    color:rgb(129, 208, 211)  
}
```

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(129, 208, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 208, 211) }
```

Border

The CSS property to change the border of an element to Yxy 54.4820, 0.2586, 0.3249 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(129, 208, 211) }
```

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

```
.border{ border-color:rgb(129, 208, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 208, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 208, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 208, 211);  
box-shadow:4px 4px 4px 4px rgb(129, 208,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4820, 0.2586, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 208, 211) }
```

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

```
.background{ background-color: rgb(129,  
208, 211) }
```

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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