

Converting Colors

$Y_{xy}(54.1054, 0.2545, 0.3158)$

Have a look what the booklet for
Yxy(54.1054, 0.2545, 0.3158)
contains.

Yxy(54.2246, 0.2546, 0.3157)	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(54.2246, 0.2546, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	80CFD9
RGB	128, 207, 217
RGB Percent	50%, 81%, 85%
CMY	0.4983, 0.1882, 0.1490
CMYK	0.41, 0.05, 0.00, 0.15
HSL	187°, 54%, 68%
HSV	187°, 41%, 85%
XYZ	43.7301, 54.2246, 73.8052
YIQ	184.5190, -50.2940, -13.6380

Conversions

Conversions Part 2

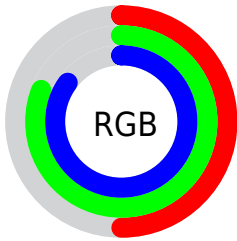
Format	Color
RYB	128, 170, 217
Decimal	8441817
CIELab	78.59, -21.73, -12.60
CIELCh	79, 25.116, 210.100
Yxy	54.2246, 0.2546, 0.3157
Android (android.graphics.Color)	4286631897 (0xFF80CFD9)
YUV	184.5190, 16.0131, -49.5672
Hunter-Lab	73.6374, -22.8619, -7.8790

Details

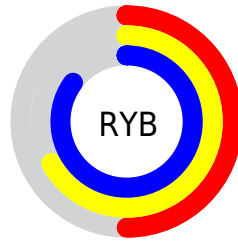
The Yxy color **54.2246, 0.2546, 0.3157** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.4579, 0.4121, 0.3415**, and the grayscale version is **48.1571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **26.4428, 0.2401, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **51.5519, 0.2434, 0.3120**, and if you desaturate by 10%, it is **57.2794, 0.2672, 0.3193**.

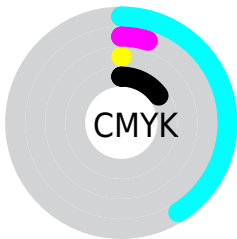
Distribution



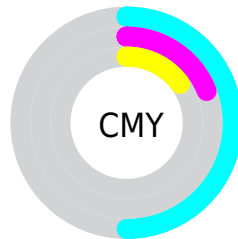
- Red (50%)
- Green (81%)
- Blue (85%)



- Red (50%)
- Yellow (67%)
- Blue (85%)



- Cyan (41%)
- Magenta (5%)
- Yellow (0%)
- Black (15%)



- Cyan (50%)
- Magenta (19%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2246, 0.2546, 0.3157 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 54.2246, 0.2546, 0.3157 by changing the saturation by 10% instead.

■ 54.2246, 0.2546,
0.3157

■ 54.2246, 0.2546,
0.3157

402.9659, 0.2823,
0.3228

■ 38.7813, 0.2481,
0.3138

■ 96.4039, 0.2644,
0.3184

■ 26.5896, 0.2399,
0.3114

■ 123.9087, 0.2681,
0.3193

■ 17.2652, 0.2294,
0.3080

■ 156.2028, 0.2714,
0.3201

■ 10.4238, 0.2155,
0.3032

193.6705, 0.2742,
0.3208

■ 5.6808, 0.1962,
0.2959

236.6963, 0.2766,
0.3214

■ 2.6520, 0.1680,
0.2835

285.6645, 0.2787,

■ 0.9529, 0.1041,

0.3219

0.2654

340.9596, 0.2806,
0.3224

0.0000, 0.0000,
0.0000

54.2246, 0.2546,
0.3157

54.2246, 0.2546,
0.3157

51.5519, 0.2434,
0.3120

57.2794, 0.2672,
0.3193

49.2318, 0.2340,
0.3081

60.7310, 0.2811,
0.3227

47.2404, 0.2263,
0.3042

64.6013, 0.2958,
0.3258


45.5479, 0.2207,
0.3003

68.9085, 0.3111,
0.3287


44.1191, 0.2169,
0.2964


73.6696, 0.3267,
0.3313

 43.0089, 0.2147,
0.2929

 78.3037, 0.3400,
0.3337

 79.6018, 0.3397,
0.3362

 80.9185, 0.3393,
0.3386

 82.2541, 0.3389,
0.3410

Harmonies

Analogous

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



54.2246, 0.2732, 0.3478



54.2246, 0.2546, 0.3157



54.2246, 0.2508, 0.2897

Triad

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



54.2246, 0.2546, 0.3157



54.2246, 0.3201, 0.2882



54.2246, 0.3641, 0.3832

Complementary

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



54.2246, 0.2546, 0.3157



34.4579, 0.4121, 0.3415

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.



54.2246, 0.3786, 0.3638



54.2246, 0.2546, 0.3157



54.2246, 0.3526, 0.3101

Square

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



54.2246, 0.2546, 0.3157



54.2246, 0.2872, 0.2758



54.2246, 0.3744, 0.3371



54.2246, 0.3361, 0.3885

Rectangle

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



54.2246, 0.2546, 0.3157



54.2246, 0.2569, 0.2790



54.2246, 0.3744, 0.3371



54.2246, 0.3708, 0.3780

Sweetspot

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



54.2267, 0.2546, 0.3157



92.4829, 0.2942, 0.3255



56.0095, 0.3017, 0.4424



19.6320, 0.2922, 0.3251



0.0000, 0.0000, 0.0000



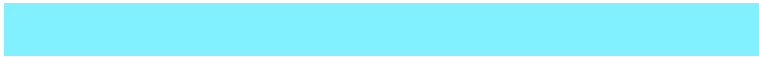
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.2267, 0.2546, 0.3157



74.8792, 0.2451, 0.3126



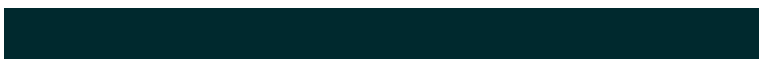
35.9844, 0.2448, 0.2546



14.5673, 0.2982, 0.3263



26.1335, 0.2149, 0.2935



1.7655, 0.2166, 0.2998

Inverse Universe

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



34.6758, 0.3271, 0.2383



43.5893, 0.3307, 0.2214



49.5059, 0.3898, 0.3930



13.2484, 0.3155, 0.3085



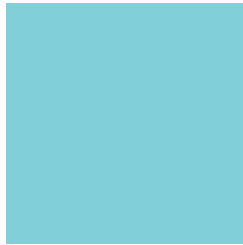
11.2620, 0.3512, 0.1708



0.7369, 0.3456, 0.1678

Previews

White Background



This preview shows how the Yxy color 54.2246, 0.2546, 0.3157 looks on a white background.

Color Contrast Check

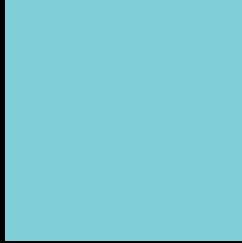
Large Text (above 18pt) WCAG AA × Fail

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 54.2246, 0.2546, 0.3157 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 54.2246, 0.2546, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 54.2246, 0.2546, 0.3157.



This preview shows how white text looks on a background with the Yxy color 54.2246, 0.2546, 0.3157.

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

54.2246, 0.2546, 0.3157

Protanopia

53.5908, 0.3017, 0.3096

Deuteranopia

53.7578, 0.2971, 0.2914



Tritanopia

54.2162, 0.2523, 0.3068

Trichromacy



Original Color

54.2246, 0.2546, 0.3157

Protanomaly

53.0707, 0.2820, 0.3113

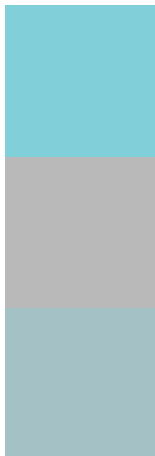
Deuteranomaly

53.5314, 0.2790, 0.2993

Tritanomaly

54.0302, 0.2528, 0.3093

Monochromacy



Original Color

54.2246, 0.2546, 0.3157

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

50.0637, 0.2874, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.2246, 0.2546, 0.3157 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(128, 207, 217)` looks like.

```
.text, #text, p{  
    color:rgb(128, 207, 217)  
}
```

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(128, 207, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 207, 217) }
```

Border

The CSS property to change the border of an element to Yxy 54.2246, 0.2546, 0.3157 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(128, 207, 217) }
```

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

```
.border{ border-color:rgb(128, 207, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 207, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 207, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 207, 217);  
box-shadow:4px 4px 4px 4px rgb(128, 207,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 54.2246, 0.2546, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 207, 217) }
```

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

```
.background{ background-color: rgb(128,  
207, 217) }
```

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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