

Converting Colors

$Y_{xy}(54.6212, 0.2550, 0.3069)$

Have a look what the booklet for
Yxy(54.6212, 0.2550, 0.3069)
contains.

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Color

Yxy(54.6212, 0.2550, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	87CEDF
RGB	135, 206, 223
RGB Percent	53%, 81%, 87%
CMY	0.4706, 0.1922, 0.1254
CMYK	0.39, 0.08, 0.00, 0.13
HSL	192°, 58%, 70%
HSV	192°, 39%, 87%
XYZ	45.3842, 54.6212, 77.9718
YIQ	186.7090, -47.7730, -9.7650

Conversions

Conversions Part 2

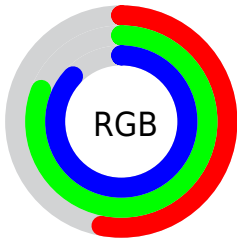
Format	Color
RYB	135, 174, 223
Decimal	8900319
CIELab	78.82, -17.91, -15.45
CIElCh	79, 23.653, 220.767
Yxy	54.6212, 0.2550, 0.3069
Android (android.graphics.Color)	4287090399 (0xFF87CEDF)
YUV	186.7090, 17.8915, -45.3488
Hunter-Lab	73.9062, -19.7228, -10.8173

Details

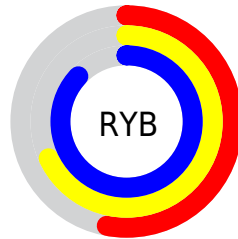
The Yxy color **54.6212, 0.2550, 0.3069** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.9031, 0.4034, 0.3496**, and the grayscale version is **49.4415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **26.9891, 0.2408, 0.3008** is the 20% darker color. If you saturate the color by 10%, you get **50.9156, 0.2427, 0.3003**, and if you desaturate by 10%, it is **58.7754, 0.2686, 0.3131**.

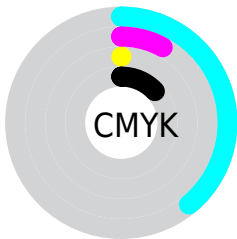
Distribution



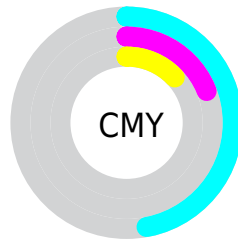
- Red (53%)
- Green (81%)
- Blue (87%)



- Red (53%)
- Yellow (68%)
- Blue (87%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)




- Cyan (47%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.6212, 0.2550, 0.3069 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 54.6212, 0.2550, 0.3069 by changing the saturation by 10% instead.

 54.6212, 0.2550,
0.3069


 54.6212, 0.2550,
0.3069

404.4744, 0.2825,
0.3182


 39.0985, 0.2486,
0.3040


 96.9857, 0.2647,
0.3110

 26.8364, 0.2405,
0.3004


 124.5964, 0.2684,
0.3126

 17.4504, 0.2302,
0.2955


 157.0051, 0.2716,
0.3139

 10.5561, 0.2165,
0.2886

194.5964, 0.2744,
0.3150

 5.7692, 0.1977,
0.2785

237.7546, 0.2768,
0.3160

 2.7053, 0.1702,
0.2623

286.8640, 0.2789,

 0.9799, 0.1180,

0.3168

0.2355

342.3092, 0.2808,
0.3175

0.0000, 0.0000,
0.0000

54.6212, 0.2550,
0.3069

54.6212, 0.2550,
0.3069

50.9156, 0.2427,
0.3003

58.7754, 0.2686,
0.3131

47.6274, 0.2319,
0.2935

63.3946, 0.2831,
0.3190

44.7311, 0.2228,
0.2865


68.5019, 0.2982,
0.3244

42.1954, 0.2157,
0.2794


74.1169, 0.3135,
0.3293

39.9830, 0.2106,
0.2723


80.2581, 0.3290,
0.3337

 38.0330, 0.2071,
0.2654

 84.2275, 0.3345,
0.3379

 37.9316, 0.2070,
0.2650

 86.6827, 0.3339,
0.3421

 89.1978, 0.3334,
0.3463

 91.7733, 0.3328,
0.3505

Harmonies

Analogous

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



54.6212, 0.2679, 0.3359



54.6212, 0.2550, 0.3069



54.6212, 0.2566, 0.2860

Triad

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



54.6212, 0.2550, 0.3069



54.6212, 0.3311, 0.2970



54.6212, 0.3528, 0.3835

Complementary

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



54.6212, 0.2550, 0.3069



39.9031, 0.4034, 0.3496

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.



54.6212, 0.3716, 0.3695



54.6212, 0.2550, 0.3069



54.6212, 0.3590, 0.3200

Square

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



54.6212, 0.2550, 0.3069



54.6212, 0.2993, 0.2817



54.6212, 0.3741, 0.3461



54.6212, 0.3237, 0.3823

Rectangle

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



54.6212, 0.2550, 0.3069



54.6212, 0.2657, 0.2789



54.6212, 0.3741, 0.3461



54.6212, 0.3606, 0.3803

Sweetspot

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



54.6233, 0.2550, 0.3069



90.9350, 0.2941, 0.3230



60.1734, 0.2980, 0.4271



19.2656, 0.2922, 0.3223



0.0000, 0.0000, 0.0000



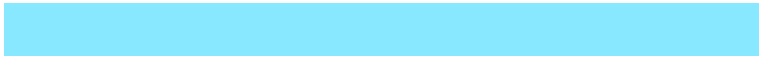
21.4041, 0.3127, 0.3290

Same Dimension

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



54.6233, 0.2550, 0.3069



70.0017, 0.2452, 0.3017



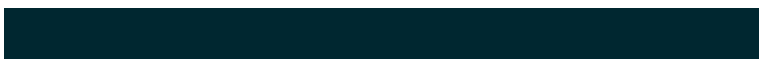
36.6308, 0.2459, 0.2475



15.0984, 0.2982, 0.3244



22.4597, 0.2072, 0.2661



1.6737, 0.2102, 0.2768

Inverse Universe

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



37.4769, 0.3334, 0.2487



44.4465, 0.3387, 0.2335



56.5352, 0.3832, 0.3985



13.8878, 0.3167, 0.3103



11.1754, 0.3766, 0.1848



0.7864, 0.3664, 0.1792

Previews

White Background



This preview shows how the Yxy color 54.6212, 0.2550, 0.3069 looks on a white background.

Color Contrast Check

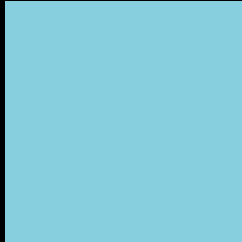
Large Text (above 18pt) WCAG AA × Fail

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 54.6212, 0.2550, 0.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

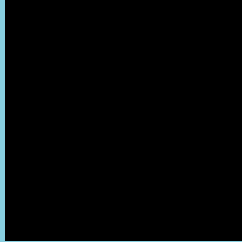
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.6212, 0.2550, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 54.6212, 0.2550, 0.3069.



This preview shows how white text looks on a background with the Yxy color 54.6212, 0.2550, 0.3069.

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

54.6212, 0.2550, 0.3069

Protanopia

54.2527, 0.2960, 0.3026

Deuteranopia

54.3237, 0.2929, 0.2870



Tritanopia

54.6212, 0.2550, 0.3069

Trichromacy



Original Color

54.6212, 0.2550, 0.3069

Protanomaly

54.1080, 0.2790, 0.3041

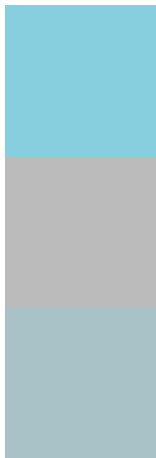
Deuteranomaly

54.0301, 0.2772, 0.2936

Tritanomaly

54.6212, 0.2550, 0.3069

Monochromacy



Original Color

54.6212, 0.2550, 0.3069

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.0785, 0.2884, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.6212, 0.2550, 0.3069 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(135, 206, 223)` looks like.

```
.text, #text, p{  
    color:rgb(135, 206, 223)  
}
```

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(135, 206, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 206, 223) }
```

Border

The CSS property to change the border of an element to Yxy 54.6212, 0.2550, 0.3069 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(135, 206, 223) }
```

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

```
.border{ border-color:rgb(135, 206, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 206, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 206, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 206, 223); box-shadow:4px 4px 4px 4px rgb(135, 206, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 54.6212, 0.2550, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 206, 223) }
```

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

```
.background{ background-color: rgb(135,  
206, 223) }
```

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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