

Converting Colors

$Yxy(55.8811, 0.2560, 0.3117)$

Have a look what the booklet for
Yxy(55.8811, 0.2560, 0.3117)
contains.

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Color

Yxy(56.0258, 0.2561, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	87D1DE
RGB	135, 209, 222
RGB Percent	53%, 82%, 87%
CMY	0.4708, 0.1804, 0.1293
CMYK	0.39, 0.06, 0.00, 0.13
HSL	189°, 57%, 70%
HSV	189°, 39%, 87%
XYZ	45.9731, 56.0258, 77.5134
YIQ	188.3560, -48.2770, -11.6450

Conversions

Conversions Part 2

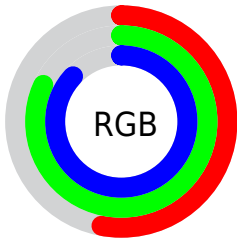
Format	Color
RYB	135, 175, 222
Decimal	8901086
CIELab	79.63, -19.70, -13.70
CIELCh	80, 24.002, 214.818
Yxy	56.0258, 0.2561, 0.3121
Android (android.graphics.Color)	4287091166 (0xFF87D1DE)
YUV	188.3560, 16.5865, -46.7932
Hunter-Lab	74.8504, -21.3535, -9.0042

Details

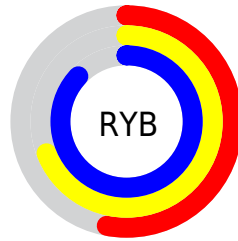
The Yxy color **56.0258, 0.2561, 0.3121** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.4499, 0.4044, 0.3449**, and the grayscale version is **50.4226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **27.5635, 0.2416, 0.3061** is the 20% darker color. If you saturate the color by 10%, you get **52.7638, 0.2442, 0.3071**, and if you desaturate by 10%, it is **59.7101, 0.2693, 0.3169**.

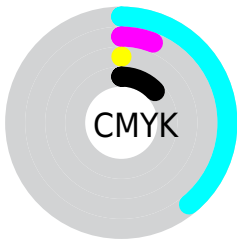
Distribution



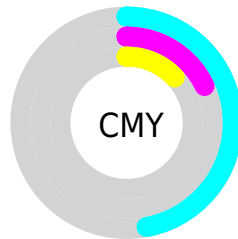
- Red (53%)
- Green (82%)
- Blue (87%)



- Red (53%)
- Yellow (69%)
- Blue (87%)



- Cyan (39%)
- Magenta (6%)
- Yellow (0%)
- Black (13%)



- Cyan (47%)
- Magenta (18%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0258, 0.2561, 0.3121 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 56.0258, 0.2561, 0.3121 by changing the saturation by 10% instead.

■ 56.0258, 0.2561,
0.3121

■ 56.0258, 0.2561,
0.3121

■ 409.7887, 0.2830,
0.3208

■ 40.2236, 0.2498,
0.3099

■ 99.0423, 0.2655,
0.3153

■ 27.7129, 0.2420,
0.3070

■ 127.0254, 0.2692,
0.3165

■ 18.1094, 0.2320,
0.3031

■ 159.8376, 0.2723,
0.3175

■ 11.0285, 0.2187,
0.2976

■ 197.8633, 0.2750,
0.3184

■ 6.0860, 0.2004,
0.2894

■ 241.4868, 0.2774,
0.3191

■ 2.8975, 0.1738,
0.2761

■ 291.0927, 0.2795,

■ 1.0784, 0.1252,

0.3198

0.2537

347.0652, 0.2813,
0.3203

0.0000, 0.0000,
0.0000

56.0258, 0.2561,
0.3121

56.0258, 0.2561,
0.3121

52.7638, 0.2442,
0.3071

59.7101, 0.2693,
0.3169

49.8931, 0.2340,
0.3019

63.8322, 0.2836,
0.3214

47.3890, 0.2255,
0.2966

68.4148, 0.2985,
0.3255

45.2209, 0.2190,
0.2912

73.4772, 0.3139,
0.3293

43.3524, 0.2144,
0.2859

79.0373, 0.3295,
0.3327

■ 41.7252, 0.2114,
0.2806

■ 82.5290, 0.3355,
0.3359

■ 41.6022, 0.2112,
0.2802

■ 84.3820, 0.3351,
0.3392

■ 86.2703, 0.3346,
0.3425

■ 88.1941, 0.3342,
0.3457

Harmonies

Analogous

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



56.0258, 0.2717, 0.3420



56.0258, 0.2561, 0.3121



56.0258, 0.2548, 0.2890

Triad

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



56.0258, 0.2561, 0.3121



56.0258, 0.3249, 0.2930



56.0258, 0.3579, 0.3821

Complementary

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



56.0258, 0.2561, 0.3121



38.4499, 0.4044, 0.3449

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.



56.0258, 0.3739, 0.3656



56.0258, 0.2561, 0.3121



56.0258, 0.3545, 0.3150

Square

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



56.0258, 0.2561, 0.3121



56.0258, 0.2932, 0.2796



56.0258, 0.3728, 0.3410



56.0258, 0.3300, 0.3843

Rectangle

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



56.0258, 0.2561, 0.3121



56.0258, 0.2621, 0.2801



56.0258, 0.3728, 0.3410



56.0258, 0.3649, 0.3779

Sweetspot

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



56.0280, 0.2561, 0.3121



91.7681, 0.2942, 0.3243



59.4945, 0.3005, 0.4325



19.4628, 0.2922, 0.3238



0.0000, 0.0000, 0.0000



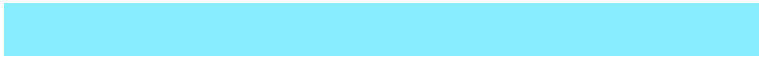
21.4041, 0.3127, 0.3290

Same Dimension

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



56.0280, 0.2561, 0.3121



73.0029, 0.2463, 0.3080



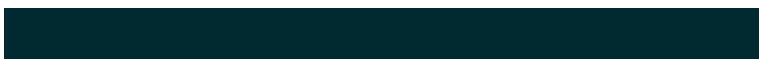
38.0148, 0.2473, 0.2543



15.2050, 0.2982, 0.3254



24.8351, 0.2114, 0.2810



1.8175, 0.2137, 0.2891

Inverse Universe

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



37.4517, 0.3295, 0.2453



44.7494, 0.3339, 0.2291



54.1501, 0.3846, 0.3934



13.8986, 0.3161, 0.3093



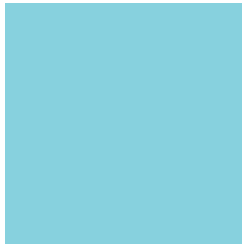
11.4152, 0.3625, 0.1771



0.8009, 0.3551, 0.1730

Previews

White Background



This preview shows how the Yxy color 56.0258, 0.2561, 0.3121 looks on a white background.

Color Contrast Check

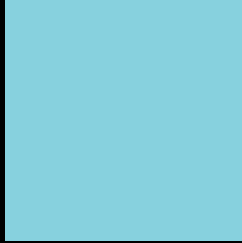
Large Text (above 18pt) WCAG AA × Fail

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 56.0258, 0.2561, 0.3121 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 56.0258, 0.2561, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 56.0258, 0.2561, 0.3121.



This preview shows how white text looks on a background with the Yxy color 56.0258, 0.2561, 0.3121.

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

56.0258, 0.2561, 0.3121

Protanopia

55.4364, 0.2997, 0.3075

Deuteranopia

55.7468, 0.2959, 0.2898



Tritanopia

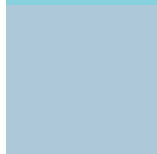
55.7822, 0.2549, 0.3071

Trichromacy



Original Color

56.0258, 0.2561, 0.3121



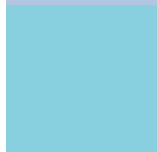
Protanomaly

55.1507, 0.2819, 0.3092



Deuteranomaly

55.2894, 0.2795, 0.2963



Tritanomaly

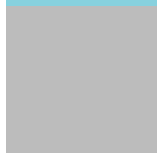
55.7278, 0.2554, 0.3083

Monochromacy



Original Color

56.0258, 0.2561, 0.3121



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.0850, 0.2892, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0258, 0.2561, 0.3121 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, 209, 222)` looks like.

```
.text, #text, p{  
    color:rgb(135, 209, 222)  
}
```

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, 209, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 209, 222) }
```

Border

The CSS property to change the border of an element to Yxy 56.0258, 0.2561, 0.3121 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, 209, 222) }
```

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

```
.border{ border-color:rgb(135, 209, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 209, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 209, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 209, 222); box-shadow:4px 4px 4px 4px rgb(135, 209, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0258, 0.2561, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 209, 222) }
```

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

```
.background{ background-color: rgb(135,  
209, 222) }
```

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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