

Converting Colors

$Yxy(56.9752, 0.2494, 0.3047)$

Have a look what the booklet for
Yxy(56.9752, 0.2494, 0.3047)
contains.

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Color

Yxy(56.9688, 0.2494, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	81D3E6
RGB	129, 211, 230
RGB Percent	51%, 83%, 90%
CMY	0.4937, 0.1726, 0.0980
CMYK	0.44, 0.08, 0.00, 0.10
HSL	191°, 67%, 70%
HSV	191°, 44%, 90%
XYZ	46.6448, 56.9688, 83.4146
YIQ	188.6480, -54.9710, -11.4750

Conversions

Conversions Part 2

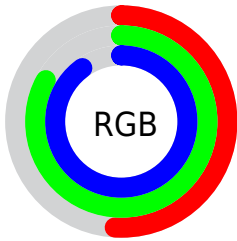
Format	Color
R _Y B	129, 174, 230
Decimal	8508390
CIE Lab	80.16, -20.10, -17.21
CIE LCh	80, 26.460, 220.561
Yxy	56.9688, 0.2494, 0.3046
Android (android.graphics.Color)	4286698470 (0xFF81D3E6)
YUV	188.6480, 20.3865, -52.3113
Hunter-Lab	75.4777, -21.7738, -12.6903

Details

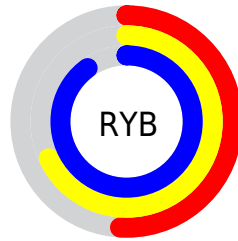
The Yxy color **56.9688, 0.2494, 0.3046** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.6411, 0.4185, 0.3513**, and the grayscale version is **50.5980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **28.1725, 0.2339, 0.2978** is the 20% darker color. If you saturate the color by 10%, you get **53.2391, 0.2378, 0.2981**, and if you desaturate by 10%, it is **61.1667, 0.2624, 0.3109**.

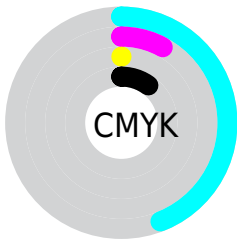
Distribution



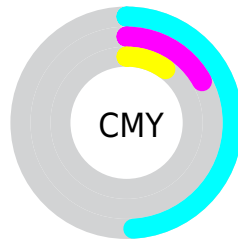
- Red (51%)
- Green (83%)
- Blue (90%)



- Red (51%)
- Yellow (68%)
- Blue (90%)



- Cyan (44%)
- Magenta (8%)
- Yellow (0%)
- Black (10%)





- Cyan (49%)
- Magenta (17%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.9688, 0.2494, 0.3046 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 56.9688, 0.2494, 0.3046 by changing the saturation by 10% instead.


 56.9688, 0.2494,
0.3046

 56.9688, 0.2494,
0.3046


413.3324, 0.2792,
0.3170


 40.9802, 0.2425,
0.3015


 100.4197, 0.2598,
0.3091

 28.3036, 0.2339,
0.2975


 128.6507, 0.2639,
0.3108

 18.5546, 0.2230,
0.2922


 161.7313, 0.2673,
0.3123

 11.3489, 0.2087,
0.2848

200.0460, 0.2704,
0.3135

 6.3020, 0.1892,
0.2740

243.9790, 0.2730,
0.3146

 3.0296, 0.1615,
0.2571

293.9148, 0.2753,

 1.1472, 0.1153,

0.3155

0.2286

350.2378, 0.2774,
0.3163

0.0179, 0.0000,
0.0142

0.0000, 0.0000,
0.0000

56.9688, 0.2494,
0.3046

56.9688, 0.2494,
0.3046

53.2391, 0.2378,
0.2981

61.1667, 0.2624,
0.3109

49.9429, 0.2278,
0.2913

65.8515, 0.2765,
0.3167

47.0510, 0.2197,
0.2844

71.0488, 0.2914,
0.3222

44.5272, 0.2135,
0.2775

76.7805, 0.3067,
0.3272

■ 42.3275, 0.2093,
0.2707

■ 83.0668, 0.3222,
0.3317

■ 41.0969, 0.2074,
0.2665

■ 87.5545, 0.3293,
0.3359

■ 90.0981, 0.3288,
0.3402

■ 92.7029, 0.3283,
0.3444

■ 95.3694, 0.3279,
0.3485

Harmonies

Analogous

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



56.9688, 0.2635, 0.3367



56.9688, 0.2494, 0.3046



56.9688, 0.2511, 0.2817

Triad

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



56.9688, 0.2494, 0.3046



56.9688, 0.3327, 0.2937



56.9688, 0.3570, 0.3891

Complementary

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



56.9688, 0.2494, 0.3046



39.6411, 0.4185, 0.3513

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.



56.9688, 0.3778, 0.3732



56.9688, 0.2494, 0.3046



56.9688, 0.3637, 0.3188

Square

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



56.9688, 0.2494, 0.3046



56.9688, 0.2976, 0.2771



56.9688, 0.3805, 0.3473



56.9688, 0.3249, 0.3882

Rectangle

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



56.9688, 0.2494, 0.3046



56.9688, 0.2609, 0.2740



56.9688, 0.3805, 0.3473



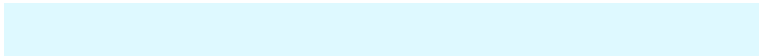
56.9688, 0.3656, 0.3854

Sweetspot

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



56.9710, 0.2494, 0.3046



90.3205, 0.2926, 0.3226



63.4069, 0.2966, 0.4405



19.0055, 0.2893, 0.3214



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.



56.9710, 0.2494, 0.3046



67.5202, 0.2384, 0.2984



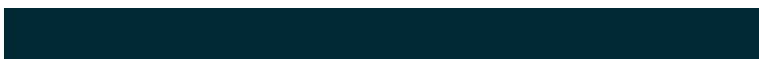
35.9035, 0.2377, 0.2363



15.8498, 0.2981, 0.3245



23.4321, 0.2077, 0.2676



1.8512, 0.2104, 0.2775

Inverse Universe

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



37.2591, 0.3359, 0.2395



40.3422, 0.3424, 0.2223



58.8329, 0.3923, 0.4062



14.5661, 0.3167, 0.3101



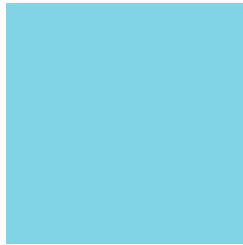
11.5632, 0.3751, 0.1840



0.8666, 0.3657, 0.1788

Previews

White Background



This preview shows how the Yxy color 56.9688, 0.2494, 0.3046 looks on a white background.

Color Contrast Check

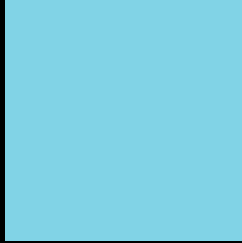
Large Text (above 18pt) WCAG AA × Fail

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 56.9688, 0.2494, 0.3046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

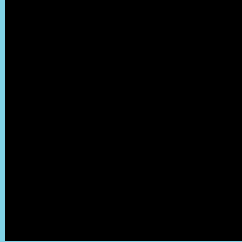
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.9688, 0.2494, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 56.9688, 0.2494, 0.3046.



This preview shows how white text looks on a background with the Yxy color 56.9688, 0.2494, 0.3046.

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

56.9688, 0.2494, 0.3046

Protanopia

56.3024, 0.2942, 0.2995

Deuteranopia

56.3598, 0.2890, 0.2821



Tritanopia

56.8571, 0.2504, 0.3071

Trichromacy



Original Color

56.9688, 0.2494, 0.3046

Protanomaly

55.8130, 0.2756, 0.3008

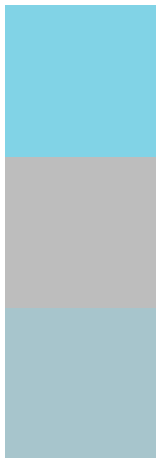
Deuteranomaly

56.1904, 0.2720, 0.2894

Tritanomaly

56.9128, 0.2499, 0.3059

Monochromacy



Original Color

56.9688, 0.2494, 0.3046

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.5076, 0.2852, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9688, 0.2494, 0.3046 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, 211, 230)` looks like.

```
.text, #text, p{  
    color:rgb(129, 211, 230)  
}
```

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, 211, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 211, 230) }
```

Border

The CSS property to change the border of an element to Yxy 56.9688, 0.2494, 0.3046 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, 211, 230) }
```

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

```
.border{ border-color:rgb(129, 211, 230) }
```

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

Here you see how a box with a 4 pixel rgb(129, 211, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 211, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 211, 230);  
box-shadow:4px 4px 4px 4px rgb(129, 211,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9688, 0.2494, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 211, 230) }
```

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

```
.background{ background-color: rgb(129,  
211, 230) }
```

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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