

Converting Colors

$Y_{xy}(57.3797, 0.2535, 0.3043)$

Have a look what the booklet for
Yxy(57.3797, 0.2535, 0.3043)
contains.

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Color

Yxy(57.1247, 0.2532, 0.3036)

Conversions

Conversions Part 1

Format	Color
Hex	89D2E6
RGB	137, 210, 230
RGB Percent	54%, 82%, 90%
CMY	0.4629, 0.1764, 0.0980
CMYK	0.40, 0.09, 0.00, 0.10
HSL	193°, 65%, 72%
HSV	193°, 40%, 90%
XYZ	47.6415, 57.1247, 83.3915
YIQ	190.4530, -49.9280, -9.2560

Conversions

Conversions Part 2

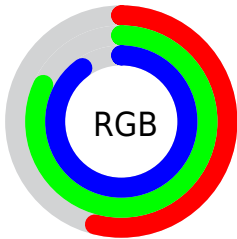
Format	Color
RYB	137, 178, 230
Decimal	9032422
CIELab	80.25, -17.69, -17.04
CIELCh	80, 24.561, 223.923
Yxy	57.1247, 0.2532, 0.3036
Android (android.graphics.Color)	4287222502 (0xFF89D2E6)
YUV	190.4530, 19.4967, -46.8783
Hunter-Lab	75.5809, -19.7511, -12.5105

Details

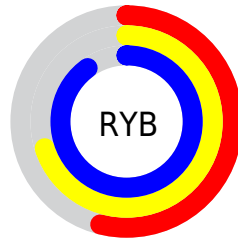
The Yxy color **57.1247, 0.2532, 0.3036** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.7311, 0.4058, 0.3525**, and the grayscale version is **51.6698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **28.2480, 0.2388, 0.2964** is the 20% darker color. If you saturate the color by 10%, you get **52.9822, 0.2407, 0.2962**, and if you desaturate by 10%, it is **61.7614, 0.2669, 0.3106**.

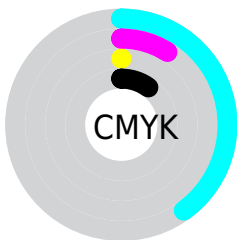
Distribution



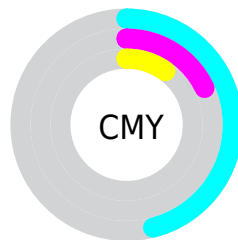
- Red (54%)
- Green (82%)
- Blue (90%)



- Red (54%)
- Yellow (70%)
- Blue (90%)



- Cyan (40%)
- Magenta (9%)
- Yellow (0%)
- Black (10%)




- Cyan (46%)
- Magenta (18%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.1247, 0.2532, 0.3036 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 57.1247, 0.2532, 0.3036 by changing the saturation by 10% instead.


 57.1247, 0.2532,
0.3036


 57.1247, 0.2532,
0.3036


413.9164, 0.2813,
0.3164

 41.1054, 0.2467,
0.3004


 100.6471, 0.2630,
0.3083

 28.4014, 0.2386,
0.2963


 128.9190, 0.2668,
0.3100

 18.6285, 0.2283,
0.2910


 162.0438, 0.2701,
0.3115

 11.4021, 0.2147,
0.2836

200.4060, 0.2729,
0.3127

 6.3380, 0.1962,
0.2728

244.3900, 0.2754,
0.3138

 3.0517, 0.1696,
0.2560

294.3801, 0.2776,

 1.1588, 0.1269,

0.3148

0.2274

350.7608, 0.2795,
0.3157

■ 0.0276, 0.0000,
0.0217

■ 0.0000, 0.0000,
0.0000

■ 57.1247, 0.2532,
0.3036

■ 57.1247, 0.2532,
0.3036

■ 52.9822, 0.2407,
0.2962

■ 61.7614, 0.2669,
0.3106

■ 49.3000, 0.2298,
0.2885

■ 66.9104, 0.2815,
0.3172

■ 46.0500, 0.2207,
0.2806

■ 72.5971, 0.2966,
0.3232

■ 43.1975, 0.2135,
0.2726

■ 78.8430, 0.3120,
0.3288

■ 40.7014, 0.2083,
0.2647

■ 85.6682, 0.3274,
0.3337

■ 38.5865, 0.2048,
0.2572

■ 89.1072, 0.3290,
0.3385

■ 92.0536, 0.3285,
0.3433

■ 95.0798, 0.3279,
0.3481

■ 98.1866, 0.3274,
0.3528

Harmonies

Analogous

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



57.1247, 0.2648, 0.3328



57.1247, 0.2532, 0.3036



57.1247, 0.2564, 0.2835

Triad

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



57.1247, 0.2532, 0.3036



57.1247, 0.3349, 0.2985



57.1247, 0.3509, 0.3855

Complementary

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



57.1247, 0.2532, 0.3036



42.7311, 0.4058, 0.3525

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.



57.1247, 0.3717, 0.3724



57.1247, 0.2532, 0.3036



57.1247, 0.3625, 0.3225

Square

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



57.1247, 0.2532, 0.3036



57.1247, 0.3023, 0.2819



57.1247, 0.3762, 0.3492



57.1247, 0.3206, 0.3825

Rectangle

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



57.1247, 0.2532, 0.3036



57.1247, 0.2667, 0.2772



57.1247, 0.3762, 0.3492



57.1247, 0.3593, 0.3827

Sweetspot

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



57.1269, 0.2532, 0.3036



90.5255, 0.2941, 0.3223



64.3043, 0.2968, 0.4281



19.1688, 0.2921, 0.3215



0.0000, 0.0000, 0.0000



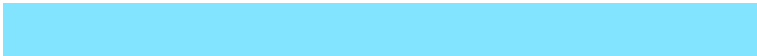
21.4041, 0.3127, 0.3290

Same Dimension

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



57.1269, 0.2532, 0.3036



67.5321, 0.2421, 0.2971



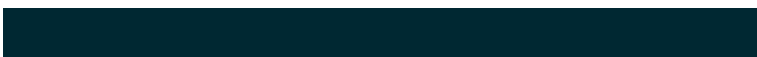
37.8922, 0.2436, 0.2427



15.7828, 0.2981, 0.3238



22.0270, 0.2051, 0.2585



1.7590, 0.2083, 0.2699

Inverse Universe

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



39.3571, 0.3361, 0.2486



42.8476, 0.3428, 0.2322



60.9184, 0.3847, 0.4020



14.5594, 0.3171, 0.3107



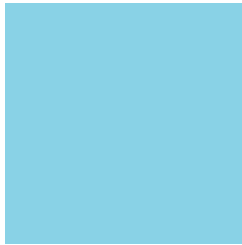
11.4214, 0.3839, 0.1888



0.8573, 0.3729, 0.1828

Previews

White Background



This preview shows how the Yxy color 57.1247, 0.2532, 0.3036 looks on a white background.

Color Contrast Check

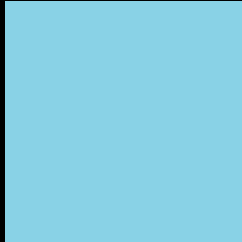
Large Text (above 18pt) WCAG AA × Fail

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 57.1247, 0.2532, 0.3036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

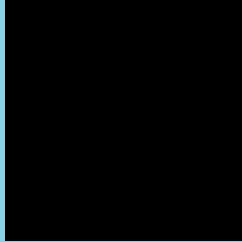
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.1247, 0.2532, 0.3036

Background



This preview shows how black text looks on a background with the Yxy color 57.1247, 0.2532, 0.3036.

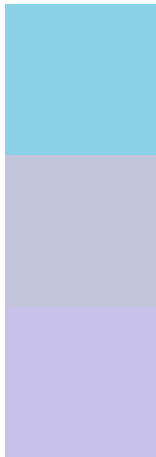


This preview shows how white text looks on a background with the Yxy color 57.1247, 0.2532, 0.3036.

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

57.1247, 0.2532, 0.3036

Protanopia

56.7551, 0.2942, 0.3007

Deuteranopia

56.8034, 0.2891, 0.2833



Tritanopia

56.8735, 0.2543, 0.3072

Trichromacy



Original Color

57.1247, 0.2532, 0.3036

Protanomaly

56.6215, 0.2777, 0.3022

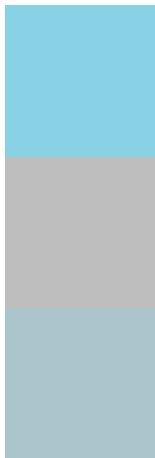
Deuteranomaly

56.5389, 0.2740, 0.2896

Tritanomaly

56.9289, 0.2537, 0.3060

Monochromacy



Original Color

57.1247, 0.2532, 0.3036

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

52.9982, 0.2874, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1247, 0.2532, 0.3036 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(137, 210, 230)` looks like.

```
.text, #text, p{  
    color:rgb(137, 210, 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(137, 210, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 210, 230) }
```

Border

The CSS property to change the border of an element to Yxy 57.1247, 0.2532, 0.3036 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(137, 210, 230) }
```

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

```
.border{ border-color:rgb(137, 210, 230) }
```

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

Here you see how a box with a 4 pixel rgb(137, 210, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 210, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 210, 230);  
box-shadow:4px 4px 4px 4px rgb(137, 210,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1247, 0.2532, 0.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 210, 230) }
```

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

```
.background{ background-color: rgb(137,  
210, 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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