

Converting Colors

$Yxy(60.8338, 0.2480, 0.3018)$

Have a look what the booklet for
Yxy(60.8338, 0.2480, 0.3018)
contains.

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Color

Yxy(60.7632, 0.2478, 0.3017)

Conversions

Conversions Part 1

Format	Color
Hex	84D9EF
RGB	132, 217, 239
RGB Percent	52%, 85%, 94%
CMY	0.4822, 0.1490, 0.0629
CMYK	0.45, 0.09, 0.00, 0.06
HSL	192°, 77%, 73%
HSV	192°, 45%, 94%
XYZ	49.9076, 60.7632, 90.7319
YIQ	194.0930, -57.7220, -11.1780

Conversions

Conversions Part 2

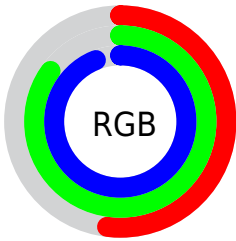
Format	Color
RYB	132, 179, 239
Decimal	8706543
CIELab	82.25, -20.12, -18.81
CIELCh	82, 27.539, 223.069
Yxy	60.7632, 0.2478, 0.3017
Android (android.graphics.Color)	4286896623 (0xFF84D9EF)
YUV	194.0930, 22.1392, -54.4556
Hunter-Lab	77.9508, -22.1301, -14.4459

Details

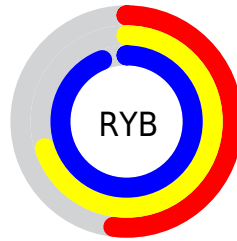
The Yxy color **60.7632, 0.2478, 0.3017** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.1213, 0.4209, 0.3538**, and the grayscale version is **53.9031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **30.7154, 0.2326, 0.2941** is the 20% darker color. If you saturate the color by 10%, you get **56.5613, 0.2361, 0.2945**, and if you desaturate by 10%, it is **65.4863, 0.2609, 0.3086**.

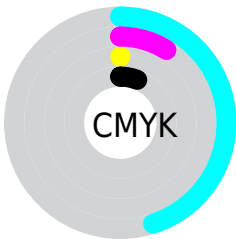
Distribution



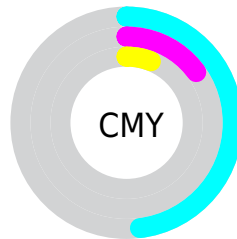
- Red (52%)
- Green (85%)
- Blue (94%)



- Red (52%)
- Yellow (70%)
- Blue (94%)



- Cyan (45%)
- Magenta (9%)
- Yellow (0%)
- Black (6%)





- Cyan (48%)
- Magenta (15%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.7632, 0.2478, 0.3017 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 60.7632, 0.2478, 0.3017 by changing the saturation by 10% instead.

 60.7632, 0.2478,
0.3017

 60.7632, 0.2478,
0.3017


427.4052, 0.2780,
0.3154


 44.0341, 0.2409,
0.2983


 105.9360, 0.2583,
0.3066

 30.6973, 0.2324,
0.2940


 135.1485, 0.2624,
0.3085

 20.3685, 0.2216,
0.2884


 169.2908, 0.2659,
0.3101

 12.6632, 0.2077,
0.2807

208.7475, 0.2689,
0.3115

 7.1970, 0.1889,
0.2697

253.9029, 0.2716,
0.3126

 3.5856, 0.1627,
0.2529

305.1414, 0.2740,

 1.4446, 0.1241,

0.3137

0.2246

362.8474, 0.2761,
0.3146

0.2492, 0.0000,
0.1260

0.0000, 0.0000,
0.0000

60.7632, 0.2478,
0.3017

60.7632, 0.2478,
0.3017

56.5613, 0.2361,
0.2945

65.4863, 0.2609,
0.3086

52.8423, 0.2260,
0.2870

70.7518, 0.2751,
0.3151

49.5735, 0.2179,
0.2795

76.5880, 0.2900,
0.3211

46.7144, 0.2117,
0.2719

83.0192, 0.3054,
0.3266

■ 44.2151, 0.2074,
0.2644

■ 90.0679, 0.3209,
0.3316

■ 43.0073, 0.2057,
0.2605

■ 93.6765, 0.3228,
0.3363

■ 96.7092, 0.3224,
0.3410

■ 99.0100, 0.3221,
0.3444

Harmonies

Analogous

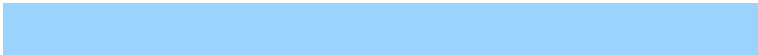
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.7632, 0.2608, 0.3340



60.7632, 0.2478, 0.3017



60.7632, 0.2509, 0.2795

Triad

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



60.7632, 0.2478, 0.3017



60.7632, 0.3360, 0.2950



60.7632, 0.3554, 0.3909

Complementary

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



60.7632, 0.2478, 0.3017



43.1213, 0.4209, 0.3538

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.



60.7632, 0.3778, 0.3758



60.7632, 0.2478, 0.3017



60.7632, 0.3668, 0.3209

Square

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



60.7632, 0.2478, 0.3017



60.7632, 0.3002, 0.2772



60.7632, 0.3823, 0.3500



60.7632, 0.3222, 0.3884

Rectangle

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



60.7632, 0.2478, 0.3017



60.7632, 0.2617, 0.2725



60.7632, 0.3823, 0.3500



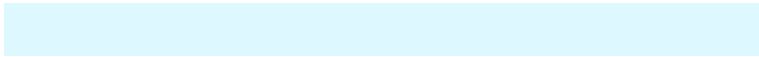
60.7632, 0.3645, 0.3875

Sweetspot

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



60.7655, 0.2478, 0.3017



89.9785, 0.2926, 0.3220



68.9350, 0.2954, 0.4411



18.9204, 0.2892, 0.3208



0.0000, 0.0000, 0.0000



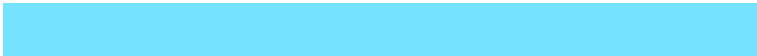
21.4041, 0.3127, 0.3290

Same Dimension

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



60.7655, 0.2478, 0.3017



65.8069, 0.2367, 0.2949



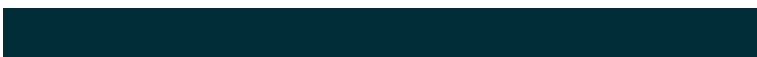
37.7294, 0.2355, 0.2314



17.3454, 0.2981, 0.3240



23.9681, 0.2060, 0.2617



2.1312, 0.2088, 0.2715

Inverse Universe

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



39.8661, 0.3383, 0.2393



39.5831, 0.3455, 0.2225



64.5820, 0.3935, 0.4096



15.9725, 0.3169, 0.3104



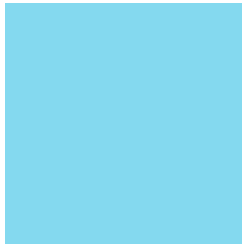
12.2129, 0.3808, 0.1871



1.0299, 0.3714, 0.1820

Previews

White Background



This preview shows how the Yxy color 60.7632, 0.2478, 0.3017 looks on a white background.

Color Contrast Check

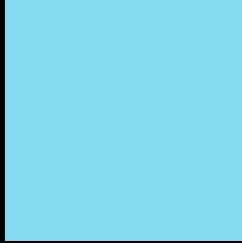
Large Text (above 18pt) WCAG AA × Fail

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 60.7632, 0.2478, 0.3017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

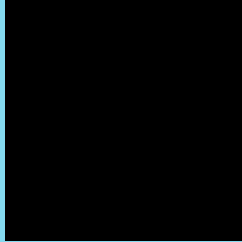
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.7632, 0.2478, 0.3017

Background



This preview shows how black text looks on a background with the Yxy color 60.7632, 0.2478, 0.3017.



This preview shows how white text looks on a background with the Yxy color 60.7632, 0.2478, 0.3017.

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

60.7632, 0.2478, 0.3017

Protanopia

60.1776, 0.2926, 0.2981

Deuteranopia

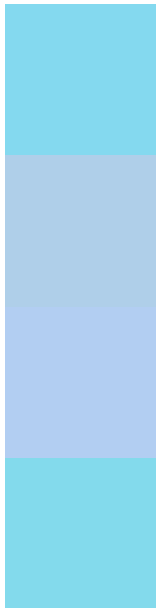
60.1553, 0.2863, 0.2800



Tritanopia

60.9663, 0.2494, 0.3077

Trichromacy



Original Color

60.7632, 0.2478, 0.3017

Protanomaly

59.6228, 0.2734, 0.2981

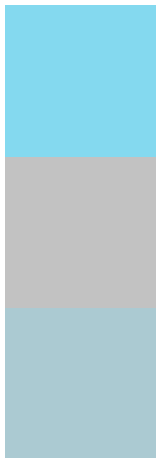
Deuteranomaly

60.0184, 0.2700, 0.2870

Tritanomaly

61.0242, 0.2490, 0.3065

Monochromacy



Original Color

60.7632, 0.2478, 0.3017

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

55.5521, 0.2845, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.7632, 0.2478, 0.3017 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(132, 217, 239)` looks like.

```
.text, #text, p{  
    color:rgb(132, 217, 239)  
}
```

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(132, 217, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 217, 239) }
```

Border

The CSS property to change the border of an element to Yxy 60.7632, 0.2478, 0.3017 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(132, 217, 239) }
```

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

```
.border{ border-color:rgb(132, 217, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 217, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 217, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 217, 239);  
box-shadow:4px 4px 4px 4px rgb(132, 217,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 60.7632, 0.2478, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 217, 239) }
```

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

```
.background{ background-color: rgb(132,  
217, 239) }
```

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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