

Converting Colors

Yxy(64.8742, 0.2592, 0.3062)

Have a look what the booklet for
Yxy(64.8742, 0.2592, 0.3062)
contains.

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Color

Yxy(64.8742, 0.2592, 0.3062)

Conversions

Conversions Part 1

Format	Color
Hex	9ADDF0
RGB	154, 221, 240
RGB Percent	60%, 87%, 94%
CMY	0.3960, 0.1333, 0.0588
CMYK	0.36, 0.08, 0.00, 0.06
HSL	193°, 74%, 77%
HSV	193°, 36%, 94%
XYZ	54.9164, 64.8742, 92.0781
YIQ	203.1330, -46.0310, -8.2950

Conversions

Conversions Part 2

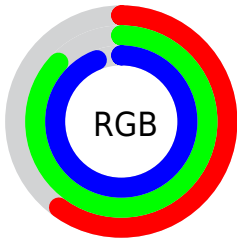
Format	Color
RYB	154, 192, 240
Decimal	10149360
CIELab	84.42, -16.39, -15.99
CIElCh	84, 22.905, 224.292
Yxy	64.8742, 0.2592, 0.3062
Android (android.graphics.Color)	4288339440 (0xFF9ADDf0)
YUV	203.1330, 18.1754, -43.0896
Hunter-Lab	80.5445, -19.2491, -11.3989

Details

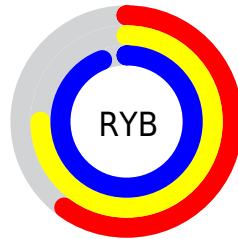
The Yxy color **64.8742, 0.2592, 0.3062** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.7678, 0.3915, 0.3504**, and the grayscale version is **59.7195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **33.3858, 0.2468, 0.3003** is the 20% darker color. If you saturate the color by 10%, you get **59.9926, 0.2461, 0.2987**, and if you desaturate by 10%, it is **70.3204, 0.2734, 0.3132**.

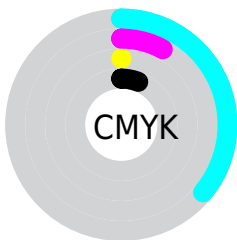
Distribution



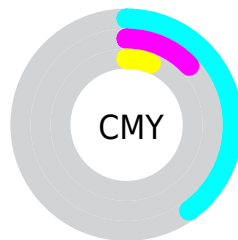
- Red (60%)
- Green (87%)
- Blue (94%)



- Red (60%)
- Yellow (75%)
- Blue (94%)



- Cyan (36%)
- Magenta (8%)
- Yellow (0%)
- Black (6%)



- Cyan (40%)
- Magenta (13%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8742, 0.2592, 0.3062 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 64.8742, 0.2592, 0.3062 by changing the saturation by 10% instead.


 64.8742, 0.2592,
0.3062


 64.8742, 0.2592,
0.3062


442.3398, 0.2840,
0.3174

 47.3591, 0.2536,
0.3035


 111.8690, 0.2678,
0.3102

 33.3196, 0.2466,
0.3001


 142.1174, 0.2711,
0.3117

 22.3714, 0.2378,
0.2956


177.3791, 0.2740,
0.3130

 14.1301, 0.2265,
0.2896

218.0384, 0.2765,
0.3142

 8.2112, 0.2111,
0.2810

264.4797, 0.2787,
0.3151

 4.2304, 0.1894,
0.2681

317.0875, 0.2807,

 1.8032, 0.1570,

0.3160

376.2460, 0.2824,
0.3167

0.2465

0.4892, 0.0272,
0.2055

0.0000, 0.0000,
0.0000

64.8742, 0.2592,
0.3062

64.8742, 0.2592,
0.3062

59.9926, 0.2461,
0.2987

70.3204, 0.2734,
0.3132

55.6390, 0.2343,
0.2909

76.3502, 0.2883,
0.3198

51.7838, 0.2242,
0.2828

82.9910, 0.3037,
0.3258

48.3909, 0.2160,
0.2746

90.2659, 0.3192,
0.3312

■ 45.4184, 0.2098,
0.2663

■ 94.4059, 0.3220,
0.3363

■ 42.8143, 0.2056,
0.2582

■ 97.7088, 0.3216,
0.3414

■ 41.8027, 0.2041,
0.2548

■ 99.0723, 0.3214,
0.3434

Harmonies

Analogous

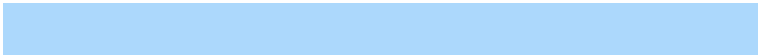
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.8742, 0.2696, 0.3322



64.8742, 0.2592, 0.3062



64.8742, 0.2623, 0.2882

Triad

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



64.8742, 0.2592, 0.3062



64.8742, 0.3330, 0.3018



64.8742, 0.3467, 0.3795

Complementary

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



64.8742, 0.2592, 0.3062



50.7678, 0.3915, 0.3504

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.



64.8742, 0.3653, 0.3683



64.8742, 0.2592, 0.3062



64.8742, 0.3574, 0.3236

Square

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



64.8742, 0.2592, 0.3062



64.8742, 0.3038, 0.2867



64.8742, 0.3694, 0.3476



64.8742, 0.3195, 0.3764

Rectangle

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



64.8742, 0.2592, 0.3062



64.8742, 0.2716, 0.2824



64.8742, 0.3694, 0.3476



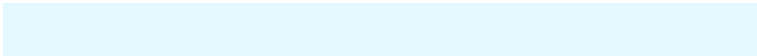
64.8742, 0.3542, 0.3771

Sweetspot

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



64.8767, 0.2592, 0.3062



91.1679, 0.2957, 0.3227



72.2072, 0.2976, 0.4131



19.2937, 0.2936, 0.3219



0.0000, 0.0000, 0.0000



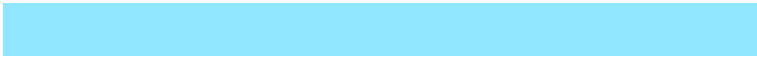
21.4041, 0.3127, 0.3290

Same Dimension

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



64.8767, 0.2592, 0.3062



70.2818, 0.2495, 0.3008



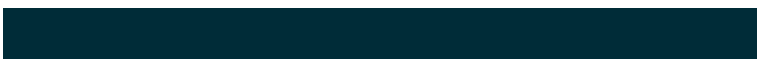
45.1619, 0.2517, 0.2523



17.3011, 0.2981, 0.3237



23.0859, 0.2045, 0.2561



2.0650, 0.2075, 0.2668

Inverse Universe

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



46.8691, 0.3333, 0.2580



47.3732, 0.3387, 0.2439



69.7969, 0.3751, 0.3952



15.9681, 0.3172, 0.3108



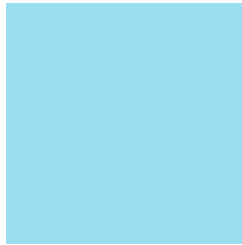
12.1239, 0.3862, 0.1901



1.0232, 0.3758, 0.1844

Previews

White Background



This preview shows how the Yxy color 64.8742, 0.2592, 0.3062 looks on a white background.

Color Contrast Check

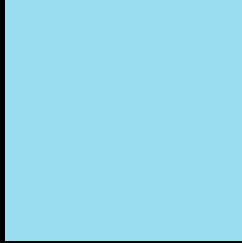
Large Text (above 18pt) WCAG AA × Fail

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 64.8742, 0.2592, 0.3062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

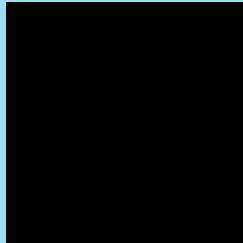
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.8742, 0.2592, 0.3062

Background



This preview shows how black text looks on a background with the Yxy color 64.8742, 0.2592, 0.3062.

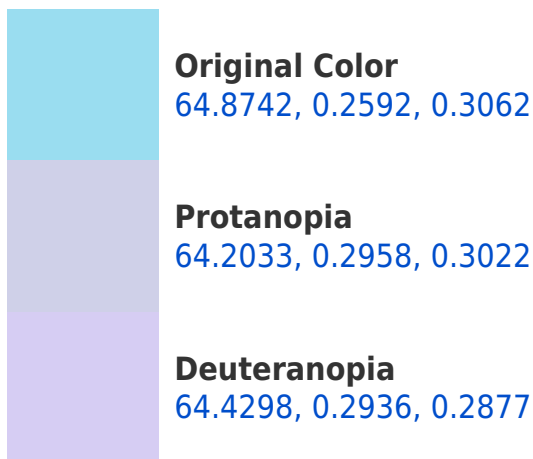


This preview shows how white text looks on a background with the Yxy color 64.8742, 0.2592, 0.3062.

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





Tritanopia

64.8149, 0.2597, 0.3074

Trichromacy



Original Color

64.8742, 0.2592, 0.3062

Protanomaly

64.2780, 0.2812, 0.3037

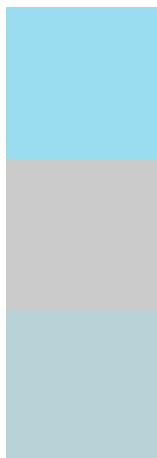
Deuteranomaly

64.2058, 0.2795, 0.2939

Tritanomaly

64.8149, 0.2597, 0.3074

Monochromacy



Original Color

64.8742, 0.2592, 0.3062

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.3653, 0.2908, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8742, 0.2592, 0.3062 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(154, 221, 240)` looks like.

```
.text, #text, p{  
    color:rgb(154, 221, 240)  
}
```

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(154, 221, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 221, 240) }
```

Border

The CSS property to change the border of an element to Yxy 64.8742, 0.2592, 0.3062 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(154, 221, 240) }
```

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

```
.border{ border-color:rgb(154, 221, 240) }
```

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

Here you see how a box with a 4 pixel rgb(154, 221, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 221, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 221, 240);  
box-shadow:4px 4px 4px 4px rgb(154, 221,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8742, 0.2592, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 221, 240) }
```

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

```
.background{ background-color: rgb(154,  
221, 240) }
```

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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