

Converting Colors

$Yxy(64.1608, 0.2462, 0.2979)$

Have a look what the booklet for
Yxy(64.1608, 0.2462, 0.2979)
contains.

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Color

Yxy(64.1708, 0.2461, 0.2976)

Conversions

Conversions Part 1

Format	Color
Hex	87DEF8
RGB	135, 222, 248
RGB Percent	53%, 87%, 97%
CMY	0.4702, 0.1294, 0.0275
CMYK	0.46, 0.10, 0.00, 0.03
HSL	194°, 89%, 75%
HSV	194°, 46%, 97%
XYZ	53.0660, 64.1708, 98.3909
YIQ	198.9510, -60.1980, -10.3580

Conversions

Conversions Part 2

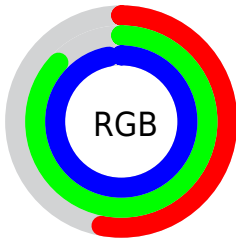
Format	Color
RYB	135, 184, 248
Decimal	8904440
CIELab	84.05, -19.56, -20.85
CIELCh	84, 28.586, 226.835
Yxy	64.1708, 0.2461, 0.2976
Android (android.graphics.Color)	4287094520 (0xFF87DEF8)
YUV	198.9510, 24.1812, -56.0850
Hunter-Lab	80.1067, -21.9409, -16.7482

Details

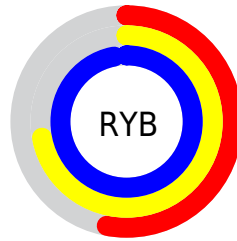
The Yxy color **64.1708, 0.2461, 0.2976** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.2312, 0.4224, 0.3572**, and the grayscale version is **56.9723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **32.9797, 0.2305, 0.2889** is the 20% darker color. If you saturate the color by 10%, you get **59.3656, 0.2342, 0.2894**, and if you desaturate by 10%, it is **69.5629, 0.2594, 0.3054**.

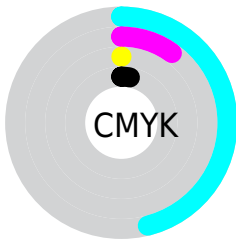
Distribution



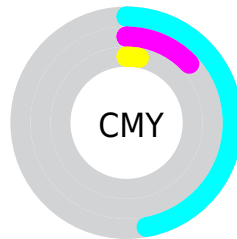
- Red (53%)
- Green (87%)
- Blue (97%)



- Red (53%)
- Yellow (72%)
- Blue (97%)



- Cyan (46%)
- Magenta (10%)
- Yellow (0%)
- Black (3%)





- Cyan (47%)
- Magenta (13%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1708, 0.2461, 0.2976 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 64.1708, 0.2461, 0.2976 by changing the saturation by 10% instead.


 64.1708, 0.2461,
0.2976


 64.1708, 0.2461,
0.2976


 439.8062, 0.2768,
0.3131

 46.7890, 0.2392,
0.2939

 110.8569, 0.2567,
0.3031

 32.8689, 0.2307,
0.2892


 140.9300, 0.2608,
0.3052

 22.0260, 0.2201,
0.2830


 176.0023, 0.2644,
0.3070

 13.8760, 0.2064,
0.2748

 216.4582, 0.2675,
0.3086

 8.0345, 0.1882,
0.2632

 262.6822, 0.2702,
0.3099

 4.1170, 0.1630,
0.2460

 315.0586, 0.2726,

 1.7392, 0.1269,

0.3111

0.2181

373.9718, 0.2748,
0.3121

0.4489, 0.0000,
0.1623

0.0000, 0.0000,
0.0000

64.1708, 0.2461,
0.2976

64.1708, 0.2461,
0.2976

59.3656, 0.2342,
0.2894

69.5629, 0.2594,
0.3054

55.1051, 0.2239,
0.2809

75.5659, 0.2737,
0.3128

51.3527, 0.2155,
0.2723

82.2113, 0.2887,
0.3196

48.0628, 0.2092,
0.2637

89.5259, 0.3041,
0.3258

■ 45.1795, 0.2047,
0.2552

■ 96.7508, 0.3170,
0.3315

■ 43.9842, 0.2032,
0.2514

■ 99.5570, 0.3168,
0.3357

Harmonies

Analogous

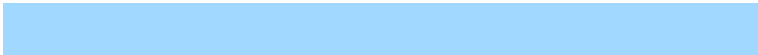
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.1708, 0.2573, 0.3296



64.1708, 0.2461, 0.2976



64.1708, 0.2513, 0.2767

Triad

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



64.1708, 0.2461, 0.2976



64.1708, 0.3409, 0.2973



64.1708, 0.3523, 0.3929

Complementary

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



64.1708, 0.2461, 0.2976



47.2312, 0.4224, 0.3572

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.



64.1708, 0.3771, 0.3793



64.1708, 0.2461, 0.2976



64.1708, 0.3708, 0.3244

Square

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



64.1708, 0.2461, 0.2976



64.1708, 0.3044, 0.2779



64.1708, 0.3843, 0.3539



64.1708, 0.3177, 0.3879

Rectangle

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



64.1708, 0.2461, 0.2976



64.1708, 0.2635, 0.2708



64.1708, 0.3843, 0.3539



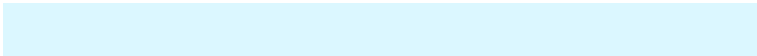
64.1708, 0.3621, 0.3901

Sweetspot

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



64.1733, 0.2461, 0.2976



88.7121, 0.2911, 0.3206



74.8128, 0.2942, 0.4412



18.6429, 0.2877, 0.3192



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.



64.1733, 0.2461, 0.2976



63.4614, 0.2347, 0.2898



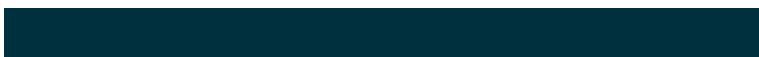
39.6031, 0.2335, 0.2267



18.8908, 0.2980, 0.3234



23.9846, 0.2036, 0.2528



2.3804, 0.2064, 0.2629

Inverse Universe

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



42.5829, 0.3417, 0.2402



38.7759, 0.3498, 0.2238



70.8223, 0.3944, 0.4129



17.4521, 0.3173, 0.3109



12.8322, 0.3895, 0.1919



1.2045, 0.3796, 0.1865

Previews

White Background



This preview shows how the Yxy color 64.1708, 0.2461, 0.2976 looks on a white background.

Color Contrast Check

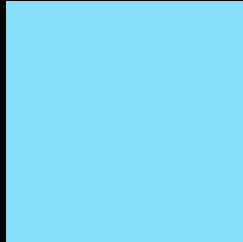
Large Text (above 18pt) WCAG AA × Fail

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 64.1708, 0.2461, 0.2976 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 64.1708, 0.2461, 0.2976

Background



This preview shows how black text looks on a background with the Yxy color 64.1708, 0.2461, 0.2976.



This preview shows how white text looks on a background with the Yxy color 64.1708, 0.2461, 0.2976.

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

64.1708, 0.2461, 0.2976

Protanopia

63.4952, 0.2891, 0.2943

Deuteranopia

63.4794, 0.2830, 0.2768



Tritanopia

64.1128, 0.2486, 0.3069

Trichromacy



Original Color

64.1708, 0.2461, 0.2976



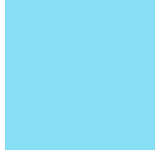
Protanomaly

62.9627, 0.2707, 0.2942



Deuteranomaly

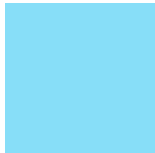
63.3773, 0.2674, 0.2836



Tritanomaly

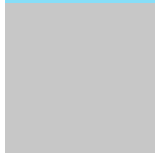
64.3753, 0.2477, 0.3034

Monochromacy



Original Color

64.1708, 0.2461, 0.2976



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

58.8655, 0.2838, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1708, 0.2461, 0.2976 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, 222, 248)` looks like.

```
.text, #text, p{  
    color:rgb(135, 222, 248)  
}
```

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, 222, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 222, 248) }
```

Border

The CSS property to change the border of an element to Yxy 64.1708, 0.2461, 0.2976 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, 222, 248) }
```

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

```
.border{ border-color:rgb(135, 222, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 222, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 222, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 222, 248);  
box-shadow:4px 4px 4px 4px rgb(135, 222,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1708, 0.2461, 0.2976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 222, 248) }
```

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

```
.background{ background-color: rgb(135,  
222, 248) }
```

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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