

Converting Colors

$Yxy(63.9792, 0.2477, 0.2965)$

Have a look what the booklet for
Yxy(63.9792, 0.2477, 0.2965)
contains.

Yxy(63.9792, 0.2477, 0.2965)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.9792, 0.2477, 0.2965)

Conversions

Conversions Part 1

Format	Color
Hex	8BDDF8
RGB	139, 221, 248
RGB Percent	55%, 87%, 97%
CMY	0.4549, 0.1333, 0.0274
CMYK	0.44, 0.11, 0.00, 0.03
HSL	195°, 89%, 76%
HSV	195°, 44%, 97%
XYZ	53.4491, 63.9792, 98.3532
YIQ	199.5600, -57.5390, -8.9870

Conversions

Conversions Part 2

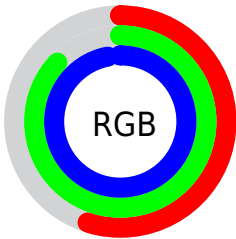
Format	Color
RYB	139, 186, 248
Decimal	9166328
CIELab	83.95, -18.14, -21.00
CIElCh	84, 27.746, 229.179
Yxy	63.9792, 0.2477, 0.2965
Android (android.graphics.Color)	4287356408 (0xFF8BDDF8)
YUV	199.5600, 23.8809, -53.1111
Hunter-Lab	79.9870, -20.6996, -16.9130

Details

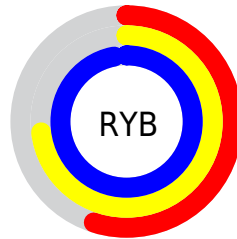
The Yxy color **63.9792, 0.2477, 0.2965** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.1035, 0.4161, 0.3584**, and the grayscale version is **57.3535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **32.8275, 0.2325, 0.2875** is the 20% darker color. If you saturate the color by 10%, you get **58.8967, 0.2353, 0.2877**, and if you desaturate by 10%, it is **69.6697, 0.2614, 0.3049**.

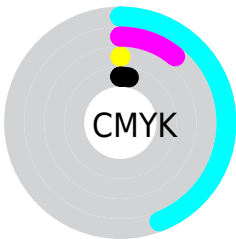
Distribution



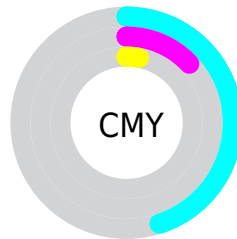
- Red (55%)
- Green (87%)
- Blue (97%)



- Red (55%)
- Yellow (73%)
- Blue (97%)



- Cyan (44%)
- Magenta (11%)
- Yellow (0%)
- Black (3%)





- Cyan (45%)
- Magenta (13%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9792, 0.2477, 0.2965 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 63.9792, 0.2477, 0.2965 by changing the saturation by 10% instead.


 63.9792, 0.2477,
0.2965

 63.9792, 0.2477,
0.2965


439.1145, 0.2777,
0.3124

 46.6338, 0.2409,
0.2927


 110.5810, 0.2580,
0.3022

 32.7463, 0.2326,
0.2878


 140.6062, 0.2621,
0.3044

 21.9321, 0.2222,
0.2816


175.6268, 0.2656,
0.3062

 13.8071, 0.2087,
0.2732

216.0272, 0.2686,
0.3078

 7.9866, 0.1908,
0.2614

262.1917, 0.2713,
0.3092

 4.0864, 0.1660,
0.2439

314.5049, 0.2736,

 1.7220, 0.1303,

0.3104

0.2158

373.3510, 0.2758,
0.3115

0.4378, 0.0000,
0.1591

0.0000, 0.0000,
0.0000

63.9792, 0.2477,
0.2965

63.9792, 0.2477,
0.2965

58.8967, 0.2353,
0.2877

69.6697, 0.2614,
0.3049

54.3804, 0.2245,
0.2786

75.9920, 0.2760,
0.3127

50.3942, 0.2156,
0.2692

82.9775, 0.2911,
0.3200

46.8934, 0.2087,
0.2599

90.6531, 0.3066,
0.3266

■ 43.8239, 0.2037,
0.2506

■ 97.4926, 0.3169,
0.3326

■ 42.1302, 0.2014,
0.2451

■ 99.5585, 0.3168,
0.3357

Harmonies

Analogous

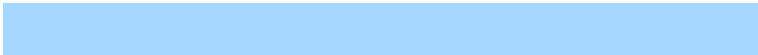
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.9792, 0.2575, 0.3270



63.9792, 0.2477, 0.2965



63.9792, 0.2540, 0.2772

Triad

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



63.9792, 0.2477, 0.2965



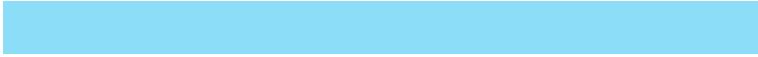
63.9792, 0.3428, 0.3000



63.9792, 0.3489, 0.3914

Complementary

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



63.9792, 0.2477, 0.2965



49.1035, 0.4161, 0.3584

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.



63.9792, 0.3739, 0.3795



63.9792, 0.2477, 0.2965



63.9792, 0.3708, 0.3268

Square

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



63.9792, 0.2477, 0.2965



63.9792, 0.3074, 0.2804



63.9792, 0.3824, 0.3555



63.9792, 0.3149, 0.3849

Rectangle

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



63.9792, 0.2477, 0.2965



63.9792, 0.2667, 0.2721



63.9792, 0.3824, 0.3555



63.9792, 0.3587, 0.3892

Sweetspot

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



63.9817, 0.2477, 0.2965



89.1158, 0.2926, 0.3206



75.3318, 0.2938, 0.4342



18.7058, 0.2892, 0.3191



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.



63.9817, 0.2477, 0.2965



63.1833, 0.2363, 0.2885



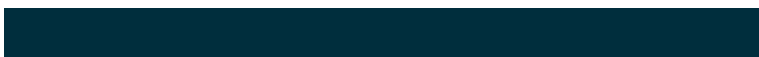
40.3001, 0.2360, 0.2286



18.8372, 0.2980, 0.3230



22.9880, 0.2018, 0.2466



2.2957, 0.2049, 0.2576

Inverse Universe

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



43.6464, 0.3422, 0.2448



39.9044, 0.3505, 0.2291



72.4598, 0.3904, 0.4118



17.4467, 0.3176, 0.3113



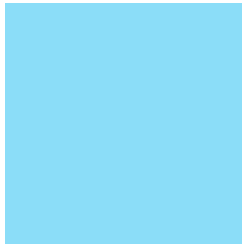
12.7316, 0.3956, 0.1953



1.1960, 0.3847, 0.1893

Previews

White Background



This preview shows how the Yxy color 63.9792, 0.2477, 0.2965 looks on a white background.

Color Contrast Check

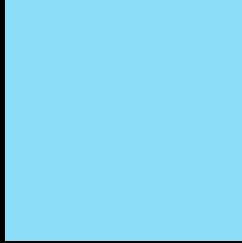
Large Text (above 18pt) WCAG AA × Fail

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 63.9792, 0.2477, 0.2965 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 63.9792, 0.2477, 0.2965

Background



This preview shows how black text looks on a background with the Yxy color 63.9792, 0.2477, 0.2965.



This preview shows how white text looks on a background with the Yxy color 63.9792, 0.2477, 0.2965.

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

63.9792, 0.2477, 0.2965

Protanopia

63.5542, 0.2885, 0.2933

Deuteranopia

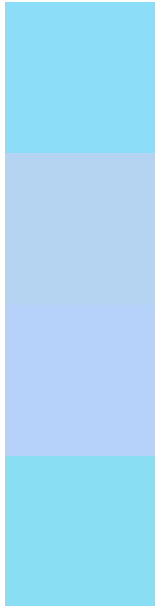
63.4794, 0.2830, 0.2768



Tritanopia

63.8522, 0.2508, 0.3069

Trichromacy



Original Color

63.9792, 0.2477, 0.2965

Protanomaly

63.2011, 0.2719, 0.2943

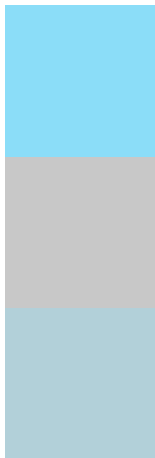
Deuteranomaly

63.0033, 0.2679, 0.2825

Tritanomaly

64.1169, 0.2498, 0.3035

Monochromacy



Original Color

63.9792, 0.2477, 0.2965

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

59.5865, 0.2852, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9792, 0.2477, 0.2965 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(139, 221, 248)` looks like.

```
.text, #text, p{  
    color:rgb(139, 221, 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(139, 221, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 221, 248) }
```

Border

The CSS property to change the border of an element to Yxy 63.9792, 0.2477, 0.2965 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(139, 221, 248) }
```

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

```
.border{ border-color:rgb(139, 221, 248) }
```

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

Here you see how a box with a 4 pixel rgb(139, 221, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 221, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 221, 248);  
box-shadow:4px 4px 4px 4px rgb(139, 221,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9792, 0.2477, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 221, 248) }
```

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

```
.background{ background-color: rgb(139,  
221, 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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