

Converting Colors

$Y_{xy}(63.2224, 0.2490, 0.2841)$

Have a look what the booklet for
Yxy(63.2224, 0.2490, 0.2841)
contains.

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Color

Yxy(63.3297, 0.2490, 0.2844)

Conversions

Conversions Part 1

Format	Color
Hex	96D9FF
RGB	150, 217, 255
RGB Percent	59%, 85%, 100%
CMY	0.4115, 0.1490, 0.0000
CMYK	0.41, 0.15, 0.00, 0.00
HSL	202°, 100%, 79%
HSV	202°, 41%, 100%
XYZ	55.4469, 63.3297, 103.9017
YIQ	201.2990, -52.1300, -2.3860

Conversions

Conversions Part 2

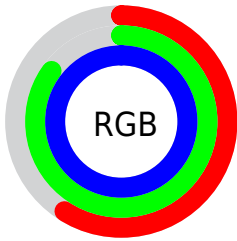
Format	Color
R _Y B	150, 191, 255
Decimal	9886207
CIE Lab	83.62, -11.60, -25.15
CIE LCh	84, 27.696, 245.249
Yxy	63.3297, 0.2490, 0.2844
Android (android.graphics.Color)	4288076287 (0xFF96D9FF)
YUV	201.2990, 26.4746, -44.9892
Hunter-Lab	79.5800, -14.8961, -21.7046

Details

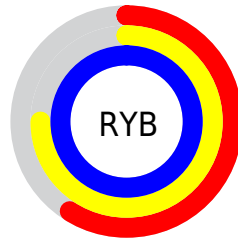
The Yxy color **63.3297, 0.2490, 0.2844** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.4535, 0.4018, 0.3690**, and the grayscale version is **58.4691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **32.2450, 0.2340, 0.2731** is the 20% darker color. If you saturate the color by 10%, you get **56.5417, 0.2348, 0.2713**, and if you desaturate by 10%, it is **70.9152, 0.2641, 0.2967**.

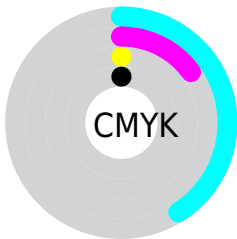
Distribution



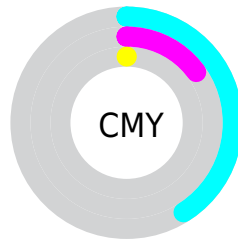
- Red (59%)
- Green (85%)
- Blue (100%)



- Red (59%)
- Yellow (75%)
- Blue (100%)



- Cyan (41%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (41%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.3297, 0.2490, 0.2844 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 63.3297, 0.2490, 0.2844 by changing the saturation by 10% instead.


 63.3297, 0.2490,
0.2844

 63.3297, 0.2490,
0.2844


436.7650, 0.2784,
0.3058

 46.1080, 0.2423,
0.2794


 109.6450, 0.2592,
0.2919

 32.3310, 0.2342,
0.2731


 139.5074, 0.2631,
0.2948

 21.6145, 0.2239,
0.2652


174.3522, 0.2666,
0.2973

 13.5739, 0.2107,
0.2546

214.5637, 0.2695,
0.2994

 7.8249, 0.1931,
0.2402

260.5263, 0.2722,
0.3013

 3.9831, 0.1688,
0.2194

312.6245, 0.2745,

 1.6641, 0.1339,

0.3030

0.1875

371.2426, 0.2766,
0.3044

0.4003, 0.0296,
0.1217

0.0000, 0.0000,
0.0000

63.3297, 0.2490,
0.2844

63.3297, 0.2490,
0.2844

56.5417, 0.2348,
0.2713

70.9152, 0.2641,
0.2967

50.5052, 0.2219,
0.2576

79.3266, 0.2797,
0.3081

45.1796, 0.2107,
0.2435

88.5993, 0.2954,
0.3186

40.5161, 0.2015,
0.2293

98.7643, 0.3109,
0.3280

■ 36.4568, 0.1945,
0.2154

99.9995, 0.3127,
0.3290

■ 33.2917, 0.1898,
0.2033

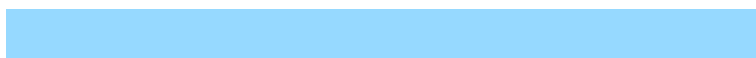
Harmonies

Analogous

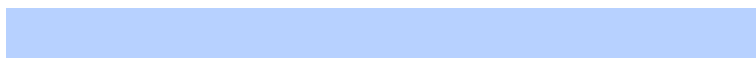
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.3297, 0.2502, 0.3096



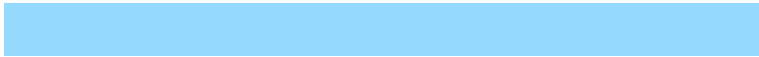
63.3297, 0.2490, 0.2844



63.3297, 0.2636, 0.2725

Triad

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



63.3297, 0.2490, 0.2844



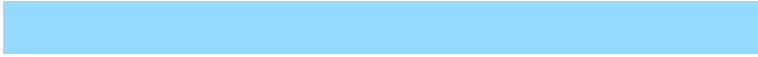
63.3297, 0.3595, 0.3138



63.3297, 0.3312, 0.3905

Complementary

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



63.3297, 0.2490, 0.2844



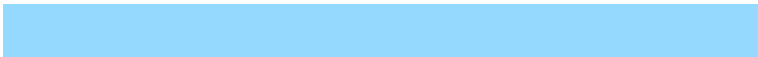
59.4535, 0.4018, 0.3690

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.



63.3297, 0.3622, 0.3879



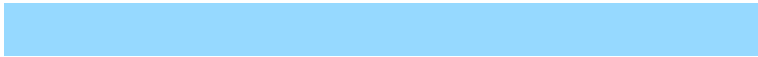
63.3297, 0.2490, 0.2844



63.3297, 0.3796, 0.3424

Square

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



63.3297, 0.2490, 0.2844



63.3297, 0.3266, 0.2897



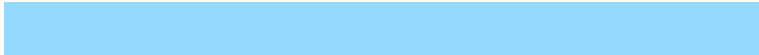
63.3297, 0.3804, 0.3695



63.3297, 0.2964, 0.3737

Rectangle

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



63.3297, 0.2490, 0.2844



63.3297, 0.2810, 0.2725



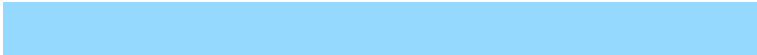
63.3297, 0.3804, 0.3695



63.3297, 0.3424, 0.3917

Sweetspot

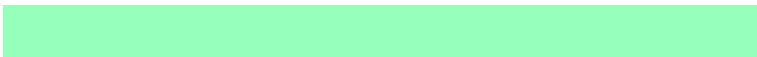
The Sweet Spot groups the original color and five complimentary colors.



63.3321, 0.2490, 0.2844



87.7841, 0.2940, 0.3177



81.5835, 0.2886, 0.4110



18.5215, 0.2920, 0.3164



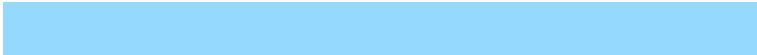
0.0000, 0.0000, 0.0000



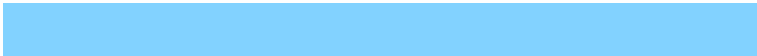
21.4041, 0.3127, 0.3290

Same Dimension

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



63.3321, 0.2490, 0.2844



57.9414, 0.2378, 0.2742



40.9089, 0.2387, 0.2208



19.3102, 0.2980, 0.3202



17.6905, 0.1904, 0.2055



1.9301, 0.1948, 0.2212

Inverse Universe

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



48.0998, 0.3509, 0.2610



41.8794, 0.3612, 0.2487



85.3434, 0.3803, 0.4178



18.1822, 0.3194, 0.3139



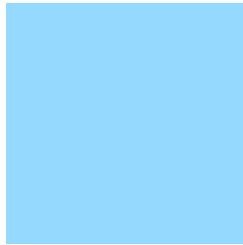
12.5138, 0.4391, 0.2192



1.2394, 0.4220, 0.2098

Previews

White Background



This preview shows how the Yxy color 63.3297, 0.2490, 0.2844 looks on a white background.

Color Contrast Check

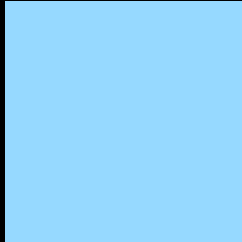
Large Text (above 18pt) WCAG AA × Fail

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 63.3297, 0.2490, 0.2844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

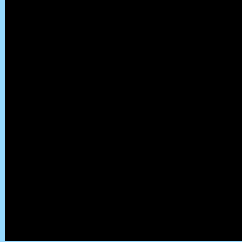
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

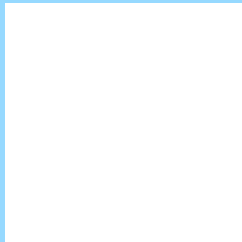
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.3297, 0.2490, 0.2844

Background



This preview shows how black text looks on a background with the Yxy color 63.3297, 0.2490, 0.2844.

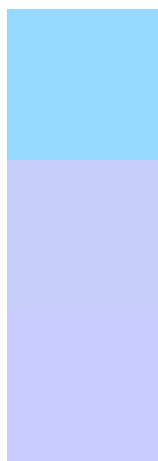


This preview shows how white text looks on a background with the Yxy color 63.3297, 0.2490, 0.2844.

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

63.3297, 0.2490, 0.2844

Protanopia

63.0001, 0.2808, 0.2834

Deuteranopia

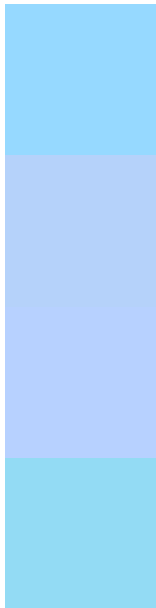
62.9623, 0.2778, 0.2733



Tritanopia

63.3792, 0.2553, 0.3070

Trichromacy



Original Color

63.3297, 0.2490, 0.2844

Protanomaly

62.8191, 0.2678, 0.2835

Deuteranomaly

62.8882, 0.2662, 0.2772

Tritanomaly

63.3977, 0.2532, 0.2989

Monochromacy



Original Color

63.3297, 0.2490, 0.2844

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

59.7912, 0.2854, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3297, 0.2490, 0.2844 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(150, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 217, 255)  
}
```

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(150, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.3297, 0.2490, 0.2844 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(150, 217, 255) }
```

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

```
.border{ border-color:rgb(150, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 217,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3297, 0.2490, 0.2844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 217, 255) }
```

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

```
.background{ background-color: rgb(150,  
217, 255) }
```

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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