

Converting Colors

$Y_{xy}(65.3685, 0.2506, 0.2916)$

Have a look what the booklet for
Yxy(65.3685, 0.2506, 0.2916)
contains.

Yxy(65.2888, 0.2507, 0.2914)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.2888, 0.2507, 0.2914)

Conversions

Conversions Part 1

Format	Color
Hex	96DDFD
RGB	150, 221, 253
RGB Percent	59%, 87%, 99%
CMY	0.4117, 0.1333, 0.0077
CMYK	0.41, 0.13, 0.00, 0.01
HSL	199°, 96%, 79%
HSV	199°, 41%, 99%
XYZ	56.1699, 65.2888, 102.5935
YIQ	203.4190, -52.5880, -5.1000

Conversions

Conversions Part 2

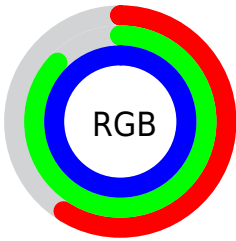
Format	Color
RYB	150, 192, 253
Decimal	9887229
CIELab	84.63, -14.17, -22.57
CIELCh	85, 26.648, 237.876
Yxy	65.2888, 0.2507, 0.2914
Android (android.graphics.Color)	4288077309 (0xFF96DDFD)
YUV	203.4190, 24.4434, -46.8485
Hunter-Lab	80.8015, -17.3167, -18.7194

Details

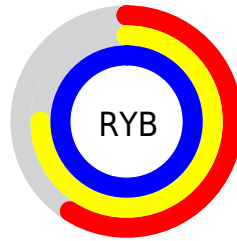
The Yxy color **65.2888, 0.2507, 0.2914** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.5696, 0.4028, 0.3631**, and the grayscale version is **59.8712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **33.5851, 0.2364, 0.2824** is the 20% darker color. If you saturate the color by 10%, you get **59.0858, 0.2371, 0.2803**, and if you desaturate by 10%, it is **72.2098, 0.2653, 0.3018**.

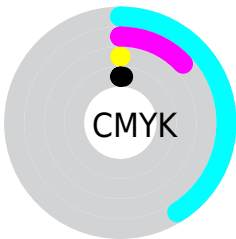
Distribution



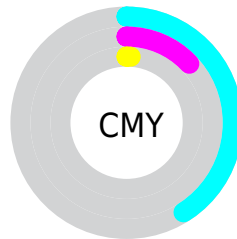
- Red (59%)
- Green (87%)
- Blue (99%)



- Red (59%)
- Yellow (75%)
- Blue (99%)



- Cyan (41%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)





- Cyan (41%)
- Magenta (13%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2888, 0.2507, 0.2914 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 65.2888, 0.2507, 0.2914 by changing the saturation by 10% instead.


 65.2888, 0.2507,
0.2914


 65.2888, 0.2507,
0.2914


443.8291, 0.2792,
0.3095

 47.6953, 0.2443,
0.2871


 112.4650, 0.2605,
0.2978

 33.5856, 0.2364,
0.2818


 142.8164, 0.2644,
0.3003

 22.5755, 0.2265,
0.2749


178.1893, 0.2677,
0.3024

 14.2804, 0.2138,
0.2659

218.9680, 0.2706,
0.3042

 8.3159, 0.1969,
0.2533

265.5369, 0.2731,
0.3058

 4.2978, 0.1734,
0.2350

318.2805, 0.2754,

 1.8415, 0.1396,

0.3072

0.2065

377.5831, 0.2774,
0.3084

0.5128, 0.0425,
0.1540

0.0000, 0.0000,
0.0000

65.2888, 0.2507,
0.2914

65.2888, 0.2507,
0.2914

59.0858, 0.2371,
0.2803

72.2098, 0.2653,
0.3018

53.5571, 0.2249,
0.2687

79.8745, 0.2806,
0.3115

48.6646, 0.2144,
0.2568

88.3162, 0.2961,
0.3204

44.3625, 0.2058,
0.2448

97.5639, 0.3116,
0.3285

■ 40.5964, 0.1994,
0.2329

99.8737, 0.3139,
0.3309

■ 37.4988, 0.1950,
0.2220

Harmonies

Analogous

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



65.2888, 0.2556, 0.3180



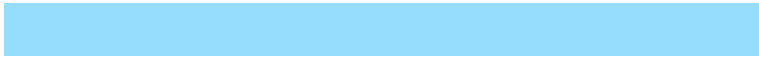
65.2888, 0.2507, 0.2914



65.2888, 0.2611, 0.2766

Triad

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



65.2888, 0.2507, 0.2914



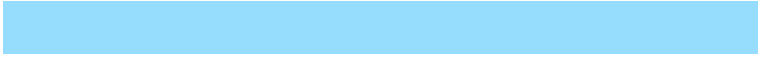
65.2888, 0.3503, 0.3083



65.2888, 0.3384, 0.3885

Complementary

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



65.2888, 0.2507, 0.2914



56.5696, 0.4028, 0.3631

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.



65.2888, 0.3656, 0.3820



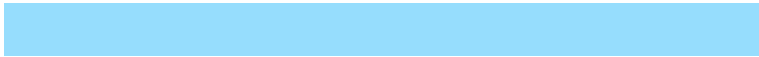
65.2888, 0.2507, 0.2914



65.2888, 0.3732, 0.3351

Square

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



65.2888, 0.2507, 0.2914



65.2888, 0.3176, 0.2870



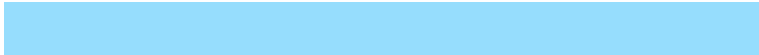
65.2888, 0.3788, 0.3619



65.2888, 0.3052, 0.3769

Rectangle

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



65.2888, 0.2507, 0.2914



65.2888, 0.2758, 0.2744



65.2888, 0.3788, 0.3619



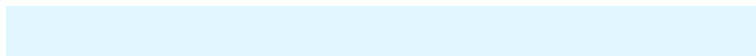
65.2888, 0.3486, 0.3883

Sweetspot

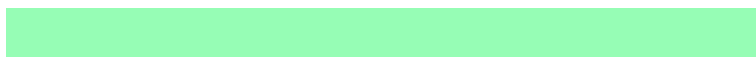
The Sweet Spot groups the original color and five complimentary colors.



65.2913, 0.2507, 0.2914



88.7294, 0.2941, 0.3193



80.0885, 0.2914, 0.4164



18.7445, 0.2920, 0.3182



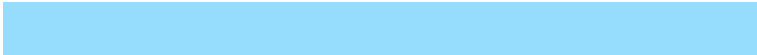
0.0000, 0.0000, 0.0000



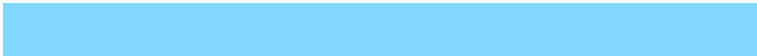
21.4041, 0.3127, 0.3290

Same Dimension

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



65.2913, 0.2507, 0.2914



61.1552, 0.2393, 0.2822



42.5641, 0.2407, 0.2286



19.4723, 0.2980, 0.3214



20.2145, 0.1955, 0.2239



2.1631, 0.1993, 0.2373

Inverse Universe

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



47.9286, 0.3454, 0.2568



42.2039, 0.3547, 0.2428



81.0455, 0.3815, 0.4122



18.1985, 0.3186, 0.3128



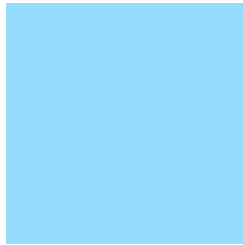
12.7686, 0.4190, 0.2082



1.2629, 0.4050, 0.2005

Previews

White Background



This preview shows how the Yxy color 65.2888, 0.2507, 0.2914 looks on a white background.

Color Contrast Check

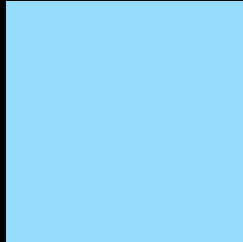
Large Text (above 18pt) WCAG AA × Fail

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 65.2888, 0.2507, 0.2914 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 65.2888, 0.2507, 0.2914

Background



This preview shows how black text looks on a background with the Yxy color 65.2888, 0.2507, 0.2914.



This preview shows how white text looks on a background with the Yxy color 65.2888, 0.2507, 0.2914.

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

65.2888, 0.2507, 0.2914

Protanopia

65.0309, 0.2856, 0.2893

Deuteranopia

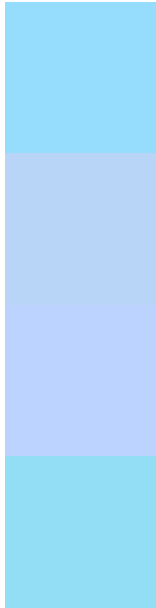
64.7725, 0.2820, 0.2762



Tritanopia

65.3293, 0.2554, 0.3073

Trichromacy



Original Color

65.2888, 0.2507, 0.2914

Protanomaly

64.5562, 0.2712, 0.2893

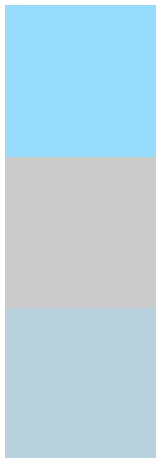
Deuteranomaly

64.3091, 0.2694, 0.2809

Tritanomaly

65.1310, 0.2538, 0.3015

Monochromacy



Original Color

65.2888, 0.2507, 0.2914

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.5040, 0.2869, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2888, 0.2507, 0.2914 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, 221, 253)` looks like.

```
.text, #text, p{  
    color:rgb(150, 221, 253)  
}
```

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, 221, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 221, 253) }
```

Border

The CSS property to change the border of an element to Yxy 65.2888, 0.2507, 0.2914 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, 221, 253) }
```

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

```
.border{ border-color:rgb(150, 221, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 221, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 221, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 221, 253);  
box-shadow:4px 4px 4px 4px rgb(150, 221,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2888, 0.2507, 0.2914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 221, 253) }
```

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

```
.background{ background-color: rgb(150,  
221, 253) }
```

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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