

Converting Colors

Yxy(58.8111, 0.2487, 0.2729)

Have a look what the booklet for
Yxy(58.8111, 0.2487, 0.2729)
contains.

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Color

Yxy(58.6180, 0.2486, 0.2724)

Conversions

Conversions Part 1

Format	Color
Hex	99CFFF
RGB	153, 207, 255
RGB Percent	60%, 81%, 100%
CMY	0.4000, 0.1882, 0.0001
CMYK	0.40, 0.19, 0.00, 0.00
HSL	208°, 100%, 80%
HSV	208°, 40%, 100%
XYZ	53.4965, 58.6180, 103.0764
YIQ	196.3260, -47.5920, 3.4800

Conversions

Conversions Part 2

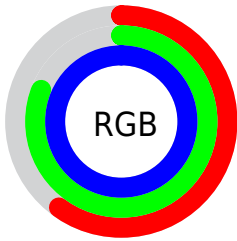
Format	Color
RYB	153, 188, 255
Decimal	10080255
CIELab	81.08, -5.63, -29.00
CIElCh	81, 29.540, 259.015
Yxy	58.6180, 0.2486, 0.2724
Android (android.graphics.Color)	4288270335 (0xFF99CFFF)
YUV	196.3260, 28.9263, -37.9969
Hunter-Lab	76.5624, -9.2608, -26.2288

Details

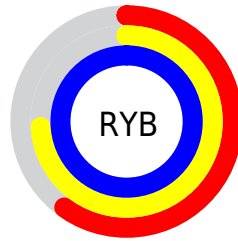
The Yxy color **58.6180, 0.2486, 0.2724** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.3154, 0.3937, 0.3790**, and the grayscale version is **55.2539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **29.4011, 0.2334, 0.2588** is the 20% darker color. If you saturate the color by 10%, you get **50.8054, 0.2330, 0.2551**, and if you desaturate by 10%, it is **67.4066, 0.2648, 0.2886**.

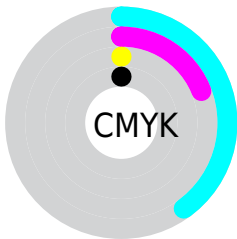
Distribution



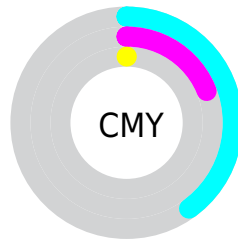
- Red (60%)
- Green (81%)
- Blue (100%)



- Red (60%)
- Yellow (74%)
- Blue (100%)



- Cyan (40%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6180, 0.2486, 0.2724 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 58.6180, 0.2486, 0.2724 by changing the saturation by 10% instead.

 58.6180, 0.2486,
0.2724

 58.6180, 0.2486,
0.2724


419.4848, 0.2786,
0.2994

 42.3057, 0.2417,
0.2661


 102.8223, 0.2590,
0.2819

 29.3407, 0.2332,
0.2583


 131.4830, 0.2631,
0.2855

 19.3387, 0.2225,
0.2484


165.0287, 0.2666,
0.2887

 11.9153, 0.2087,
0.2353

203.8437, 0.2696,
0.2914

 6.6860, 0.1901,
0.2176

248.3124, 0.2723,
0.2937

 3.2665, 0.1642,
0.1924

298.8192, 0.2746,

 1.2724, 0.1269,

0.2958

0.1549

355.7486, 0.2767,
0.2977

■ 0.1197, 0.0000,
0.0422

■ 0.0000, 0.0000,
0.0000

■ 58.6180, 0.2486,
0.2724

■ 58.6180, 0.2486,
0.2724

■ 50.8054, 0.2330,
0.2551

■ 67.4066, 0.2648,
0.2886

■ 43.9184, 0.2184,
0.2370

■ 77.2050, 0.2811,
0.3034

■ 37.9109, 0.2053,
0.2184

■ 88.0533, 0.2972,
0.3169

■ 32.7291, 0.1943,
0.1999

99.9870, 0.3127,
0.3290

■ 28.3102, 0.1856,
0.1818

99.9981, 0.3127,
0.3290

■ 24.5579, 0.1791,
0.1646

■ 24.5541, 0.1791,
0.1646

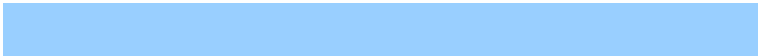
Harmonies

Analogous

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



58.6180, 0.2419, 0.2933



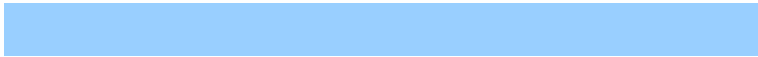
58.6180, 0.2486, 0.2724



58.6180, 0.2715, 0.2669

Triad

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



58.6180, 0.2486, 0.2724



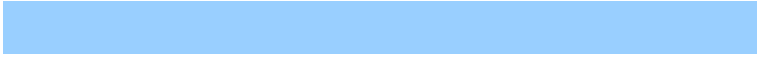
58.6180, 0.3764, 0.3262



58.6180, 0.3151, 0.3907

Complementary

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



58.6180, 0.2486, 0.2724



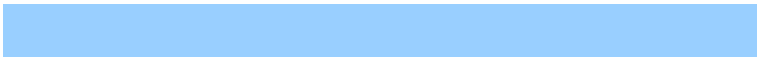
65.3154, 0.3937, 0.3790

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.



58.6180, 0.3523, 0.3974



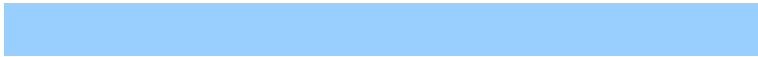
58.6180, 0.2486, 0.2724



58.6180, 0.3891, 0.3574

Square

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



58.6180, 0.2486, 0.2724



58.6180, 0.3454, 0.2972



58.6180, 0.3798, 0.3839



58.6180, 0.2787, 0.3638

Rectangle

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



58.6180, 0.2486, 0.2724



58.6180, 0.2940, 0.2715



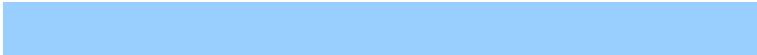
58.6180, 0.3798, 0.3839



58.6180, 0.3279, 0.3954

Sweetspot

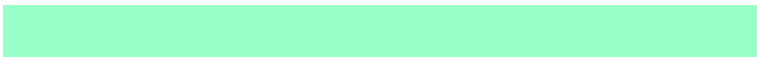
The Sweet Spot groups the original color and five complimentary colors.



58.6202, 0.2486, 0.2724



85.8085, 0.2940, 0.3143



82.4721, 0.2833, 0.3934



18.0562, 0.2919, 0.3126



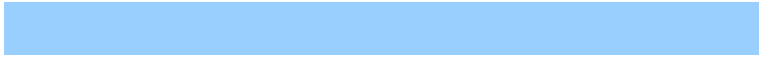
0.0000, 0.0000, 0.0000



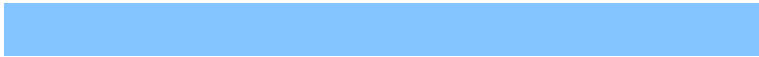
21.4041, 0.3127, 0.3290

Same Dimension

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



58.6202, 0.2486, 0.2724



52.2982, 0.2360, 0.2586



37.9056, 0.2388, 0.2098



18.9704, 0.2979, 0.3175



13.1351, 0.1798, 0.1674



1.4978, 0.1853, 0.1871

Inverse Universe

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



48.5453, 0.3600, 0.2735



41.9763, 0.3738, 0.2628



92.9066, 0.3740, 0.4255



18.1479, 0.3211, 0.3165



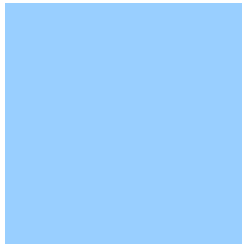
12.0540, 0.4839, 0.2439



1.1957, 0.4601, 0.2309

Previews

White Background



This preview shows how the Yxy color 58.6180, 0.2486, 0.2724 looks on a white background.

Color Contrast Check

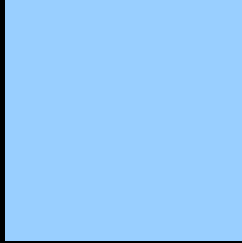
Large Text (above 18pt) WCAG AA × Fail

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 58.6180, 0.2486, 0.2724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

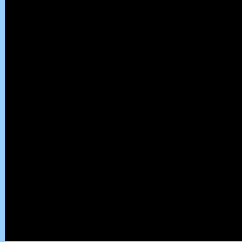
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

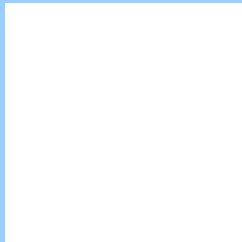
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.6180, 0.2486, 0.2724

Background



This preview shows how black text looks on a background with the Yxy color 58.6180, 0.2486, 0.2724.



This preview shows how white text looks on a background with the Yxy color 58.6180, 0.2486, 0.2724.

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

58.6180, 0.2486, 0.2724

Protanopia

58.5052, 0.2723, 0.2723

Deuteranopia

58.2289, 0.2699, 0.2641



Tritanopia

58.8551, 0.2590, 0.3077

Trichromacy



Original Color

58.6180, 0.2486, 0.2724

Protanomaly

58.4362, 0.2632, 0.2725

Deuteranomaly

58.3404, 0.2615, 0.2673

Tritanomaly

58.6558, 0.2556, 0.2947

Monochromacy



Original Color

58.6180, 0.2486, 0.2724

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

56.0216, 0.2861, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6180, 0.2486, 0.2724 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(153, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 207, 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(153, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.6180, 0.2486, 0.2724 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(153, 207, 255) }
```

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

```
.border{ border-color:rgb(153, 207, 255) }
```

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

Here you see how a box with a 4 pixel rgb(153, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6180, 0.2486, 0.2724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 207, 255) }
```

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

```
.background{ background-color: rgb(153,  
207, 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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