

Converting Colors

$Y_{xy}(59.5004, 0.2773, 0.3010)$

Have a look what the booklet for
Yxy(59.5004, 0.2773, 0.3010)
contains.

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Color

Yxy(59.3208, 0.2771, 0.3004)

Conversions

Conversions Part 1

Format	Color
Hex	B2CEE6
RGB	178, 206, 230
RGB Percent	70%, 81%, 90%
CMY	0.3018, 0.1922, 0.0980
CMYK	0.23, 0.10, 0.00, 0.10
HSL	208°, 51%, 80%
HSV	208°, 23%, 90%
XYZ	54.7197, 59.3208, 83.4322
YIQ	200.3640, -24.3920, 1.5280

Conversions

Conversions Part 2

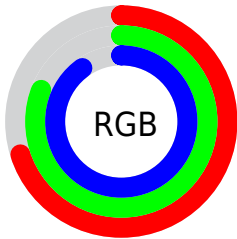
Format	Color
R_{YB}	178, 196, 230
Decimal	11718374
CIE _{Lab}	81.47, -4.17, -14.97
CIE _{LCh}	81, 15.538, 254.427
Yxy	59.3208, 0.2771, 0.3004
Android (android.graphics.Color)	4289908454 (0xFFB2CEE6)
YUV	200.3640, 14.6105, -19.6132
Hunter-Lab	77.0200, -7.9677, -10.3121

Details

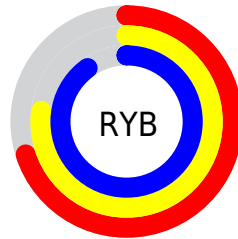
The Yxy color **59.3208, 0.2771, 0.3004** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.2994, 0.3532, 0.3560**, and the grayscale version is **57.9188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **29.7976, 0.2682, 0.2940** is the 20% darker color. If you saturate the color by 10%, you get **51.8822, 0.2609, 0.2856**, and if you desaturate by 10%, it is **67.5662, 0.2931, 0.3139**.

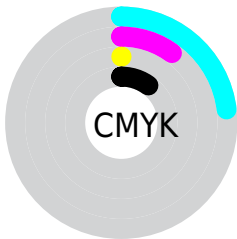
Distribution



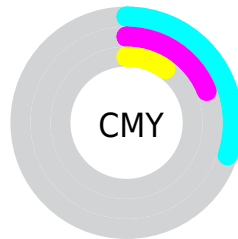
- Red (70%)
- Green (81%)
- Blue (90%)



- Red (70%)
- Yellow (77%)
- Blue (90%)



- Cyan (23%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)



- Cyan (30%)
- Magenta (19%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.3208, 0.2771, 0.3004 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 59.3208, 0.2771, 0.3004 by changing the saturation by 10% instead.

■ 59.3208, 0.2771,
0.3004

■ 59.3208, 0.2771,
0.3004

422.0897, 0.2940,
0.3142

■ 42.8714, 0.2731,
0.2971

■ 103.8438, 0.2830,
0.3053

■ 29.7842, 0.2682,
0.2930

132.6861, 0.2853,
0.3071

■ 19.6749, 0.2619,
0.2877

166.4283, 0.2873,
0.3087

■ 12.1589, 0.2534,
0.2806

205.4546, 0.2890,
0.3101

■ 6.8520, 0.2418,
0.2706

250.1496, 0.2905,
0.3113

■ 3.3697, 0.2245,
0.2555

300.8975, 0.2918,

■ 1.3277, 0.1969,

0.3124

0.2307

358.0827, 0.2930,
0.3133

0.1625, 0.0360,
0.1111

0.0000, 0.0000,
0.0000

59.3208, 0.2771,
0.3004

59.3208, 0.2771,
0.3004

51.8822, 0.2609,
0.2856

67.5662, 0.2931,
0.3139

45.2137, 0.2450,
0.2695

76.6390, 0.3088,
0.3261

39.2860, 0.2298,
0.2525

86.5677, 0.3238,
0.3369

34.0647, 0.2157,
0.2347

94.4137, 0.3280,
0.3471

■ 29.5120, 0.2032,
0.2165

■ 98.4935, 0.3274,
0.3532

■ 25.5851, 0.1929,
0.1984

■ 22.2334, 0.1848,
0.1809

■ 20.0682, 0.1801,
0.1684

Harmonies

Analogous

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



59.3208, 0.2748, 0.3133



59.3208, 0.2771, 0.3004



59.3208, 0.2886, 0.2954

Triad

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



59.3208, 0.2771, 0.3004



59.3208, 0.3439, 0.3256



59.3208, 0.3177, 0.3616

Complementary

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



59.3208, 0.2771, 0.3004



62.2994, 0.3532, 0.3560

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.



59.3208, 0.3366, 0.3641



59.3208, 0.2771, 0.3004



59.3208, 0.3522, 0.3426

Square

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



59.3208, 0.2771, 0.3004



59.3208, 0.3271, 0.3098



59.3208, 0.3494, 0.3569



59.3208, 0.2978, 0.3494

Rectangle

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



59.3208, 0.2771, 0.3004



59.3208, 0.3002, 0.2968



59.3208, 0.3494, 0.3569



59.3208, 0.3244, 0.3636

Sweetspot

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



59.3232, 0.2771, 0.3004



91.6218, 0.3019, 0.3208



70.3023, 0.2957, 0.3631



19.4615, 0.3009, 0.3201



0.0000, 0.0000, 0.0000



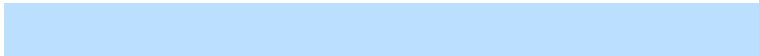
21.4041, 0.3127, 0.3290

Same Dimension

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



59.3232, 0.2771, 0.3004



70.5579, 0.2697, 0.2938



48.0795, 0.2747, 0.2690



15.1653, 0.2981, 0.3179



11.6083, 0.1809, 0.1711



1.0433, 0.1878, 0.1960

Inverse Universe

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



53.1332, 0.3348, 0.2979



61.7793, 0.3404, 0.2914



75.2007, 0.3473, 0.3827



14.4970, 0.3208, 0.3164



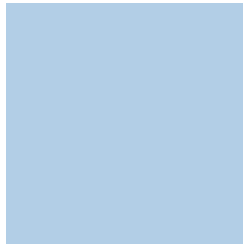
10.3696, 0.4793, 0.2414



0.7850, 0.4499, 0.2252

Previews

White Background



This preview shows how the Yxy color 59.3208, 0.2771, 0.3004 looks on a white background.

Color Contrast Check

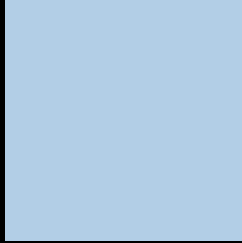
Large Text (above 18pt) WCAG AA × Fail

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 59.3208, 0.2771, 0.3004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

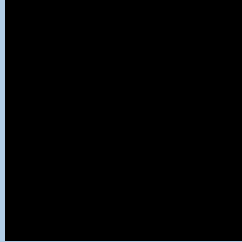
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

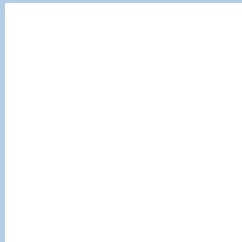
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.3208, 0.2771, 0.3004

Background



This preview shows how black text looks on a background with the Yxy color 59.3208, 0.2771, 0.3004.



This preview shows how white text looks on a background with the Yxy color 59.3208, 0.2771, 0.3004.

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

59.3208, 0.2771, 0.3004

Protanopia

59.3251, 0.2925, 0.2990

Deuteranopia

59.1686, 0.2964, 0.2896



Tritanopia

59.3546, 0.2802, 0.3085

Trichromacy



Original Color

59.3208, 0.2771, 0.3004

Protanomaly

59.3897, 0.2870, 0.2998

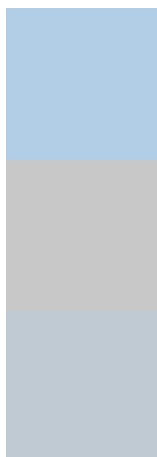
Deuteranomaly

58.9484, 0.2891, 0.2933

Tritanomaly

59.4637, 0.2789, 0.3062

Monochromacy



Original Color

59.3208, 0.2771, 0.3004

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

58.1507, 0.2989, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3208, 0.2771, 0.3004 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(178, 206, 230)` looks like.

```
.text, #text, p{  
    color:rgb(178, 206, 230)  
}
```

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(178, 206, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 206, 230) }
```

Border

The CSS property to change the border of an element to Yxy 59.3208, 0.2771, 0.3004 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(178, 206, 230) }
```

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

```
.border{ border-color:rgb(178, 206, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 206, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 206, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 206, 230);  
box-shadow:4px 4px 4px 4px rgb(178, 206,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3208, 0.2771, 0.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 206, 230) }
```

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

```
.background{ background-color: rgb(178,  
206, 230) }
```

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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