

Converting Colors

Yxy(58.9969, 0.2786, 0.3026)

Have a look what the booklet for
Yxy(58.9969, 0.2786, 0.3026)
contains.

Yxy(59.2090, 0.2783, 0.3027)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(59.2090, 0.2783, 0.3027)

Conversions

Conversions Part 1

Format	Color
Hex	B2CEE4
RGB	178, 206, 228
RGB Percent	70%, 81%, 89%
CMY	0.3019, 0.1921, 0.1059
CMYK	0.22, 0.10, 0.00, 0.11
HSL	206°, 48%, 80%
HSV	206°, 22%, 89%
XYZ	54.4363, 59.2090, 81.9576
YIQ	200.1360, -23.7500, 0.9060

Conversions

Conversions Part 2

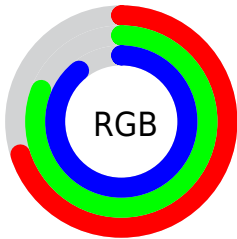
Format	Color
R _Y B	178, 196, 228
Decimal	11718372
CIE Lab	81.41, -4.63, -13.99
CIE LCh	81, 14.734, 251.698
Yxy	59.2090, 0.2783, 0.3027
Android (android.graphics.Color)	4289908452 (0xFFB2CEE4)
YUV	200.1360, 13.7370, -19.4133
Hunter-Lab	76.9474, -8.3784, -9.2873

Details

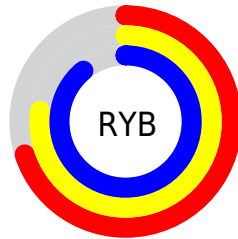
The Yxy color `59.2090, 0.2783, 0.3027` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `61.0216, 0.3520, 0.3539`, and the grayscale version is `57.7740, 0.3127, 0.3290`.

A 20% lighter version of the original color is `96.2324, 0.2999, 0.3290`, and `29.8336, 0.2698, 0.2956` is the 20% darker color. If you saturate the color by 10%, you get `52.0567, 0.2623, 0.2887`, and if you desaturate by 10%, it is `67.1227, 0.2942, 0.3155`.

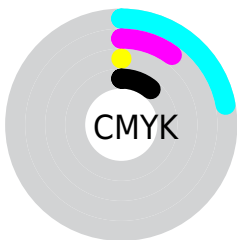
Distribution



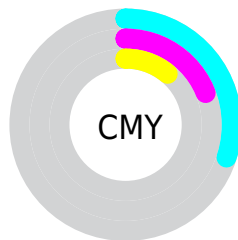
- Red (70%)
- Green (81%)
- Blue (89%)



- Red (70%)
- Yellow (77%)
- Blue (89%)



- Cyan (22%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)



- Cyan (30%)
- Magenta (19%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.2090, 0.2783, 0.3027 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 59.2090, 0.2783, 0.3027 by changing the saturation by 10% instead.

■ 59.2090, 0.2783,
0.3027

■ 59.2090, 0.2783,
0.3027

421.6760, 0.2946,
0.3154

■ 42.7814, 0.2745,
0.2997

■ 103.6814, 0.2841,
0.3072

■ 29.7136, 0.2697,
0.2959

132.4949, 0.2863,
0.3089

■ 19.6213, 0.2635,
0.2909

166.2059, 0.2882,
0.3104

■ 12.1201, 0.2554,
0.2843

205.1987, 0.2898,
0.3117

■ 6.8255, 0.2440,
0.2750

249.8577, 0.2912,
0.3128

■ 3.3532, 0.2272,
0.2609

300.5673, 0.2925,

■ 1.3188, 0.2001,

0.3138

0.2373

357.7120, 0.2936,
0.3146

■ 0.1557, 0.0259,
0.1153

■ 0.0000, 0.0000,
0.0000

■ 59.2090, 0.2783,
0.3027

■ 59.2090, 0.2783,
0.3027

■ 52.0567, 0.2623,
0.2887

■ 67.1227, 0.2942,
0.3155

■ 45.6309, 0.2466,
0.2736

■ 75.8168, 0.3098,
0.3269

■ 39.9039, 0.2316,
0.2574

■ 85.3184, 0.3248,
0.3372

■ 34.8434, 0.2177,
0.2406

■ 92.8554, 0.3295,
0.3468

■ 30.4136, 0.2054,
0.2233

■ 98.3815, 0.3286,
0.3552

■ 26.5741, 0.1952,
0.2061

■ 23.2774, 0.1873,
0.1893

■ 20.9532, 0.1823,
0.1762

Harmonies

Analogous

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



59.2090, 0.2770, 0.3156



59.2090, 0.2783, 0.3027



59.2090, 0.2885, 0.2972

Triad

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



59.2090, 0.2783, 0.3027



59.2090, 0.3411, 0.3243



59.2090, 0.3192, 0.3605

Complementary

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



59.2090, 0.2783, 0.3027



61.0216, 0.3520, 0.3539

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.



59.2090, 0.3368, 0.3621



59.2090, 0.2783, 0.3027



59.2090, 0.3498, 0.3406

Square

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



59.2090, 0.2783, 0.3027



59.2090, 0.3247, 0.3096



59.2090, 0.3482, 0.3545



59.2090, 0.3002, 0.3497

Rectangle

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



59.2090, 0.2783, 0.3027



59.2090, 0.2992, 0.2980



59.2090, 0.3482, 0.3545



59.2090, 0.3255, 0.3621

Sweetspot

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



59.2114, 0.2783, 0.3027



91.8606, 0.3019, 0.3212



69.1082, 0.2967, 0.3630



19.5169, 0.3009, 0.3205



0.0000, 0.0000, 0.0000



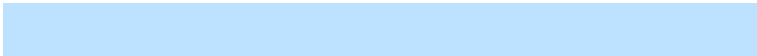
21.4041, 0.3127, 0.3290

Same Dimension

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



59.2114, 0.2783, 0.3027



72.2977, 0.2715, 0.2969



48.2553, 0.2761, 0.2721



15.2192, 0.2981, 0.3184



12.3392, 0.1830, 0.1786



1.0962, 0.1896, 0.2026

Inverse Universe

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



52.7955, 0.3331, 0.2977



63.0076, 0.3380, 0.2914



73.3799, 0.3464, 0.3802



14.5025, 0.3205, 0.3159



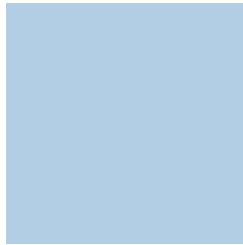
10.4434, 0.4702, 0.2364



0.7903, 0.4424, 0.2211

Previews

White Background



This preview shows how the Yxy color 59.2090, 0.2783, 0.3027 looks on a white background.

Color Contrast Check

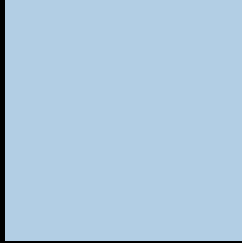
Large Text (above 18pt) WCAG AA × Fail

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 59.2090, 0.2783, 0.3027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

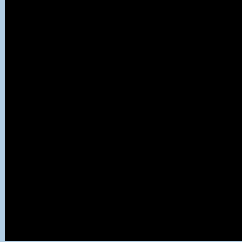
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

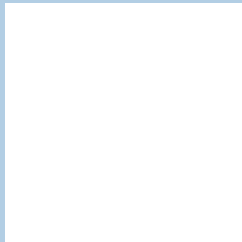
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.2090, 0.2783, 0.3027

Background



This preview shows how black text looks on a background with the Yxy color 59.2090, 0.2783, 0.3027.



This preview shows how white text looks on a background with the Yxy color 59.2090, 0.2783, 0.3027.

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

59.2090, 0.2783, 0.3027

Protanopia

58.8325, 0.2952, 0.3012

Deuteranopia

59.0556, 0.2977, 0.2918



Tritanopia

59.3005, 0.2808, 0.3097

Trichromacy



Original Color

59.2090, 0.2783, 0.3027

Protanomaly

58.7537, 0.2888, 0.3020

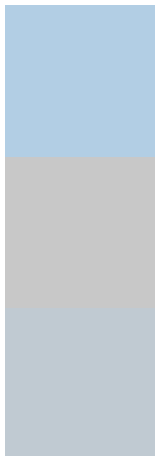
Deuteranomaly

58.8360, 0.2904, 0.2955

Tritanomaly

59.4090, 0.2795, 0.3073

Monochromacy



Original Color

59.2090, 0.2783, 0.3027

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

58.1007, 0.2996, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2090, 0.2783, 0.3027 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(178, 206, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 206, 228) }
```

Border

The CSS property to change the border of an element to Yxy 59.2090, 0.2783, 0.3027 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, 228) }
```

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

```
.border{ border-color:rgb(178, 206, 228) }
```

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, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 206, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 206, 228);  
box-shadow:4px 4px 4px 4px rgb(178, 206,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2090, 0.2783, 0.3027 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, 228) }
```

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

```
.background{ background-color: rgb(178,  
206, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor