

Converting Colors

$Y_{xy}(55.1540, 0.2791, 0.2917)$

Have a look what the booklet for
Yxy(55.1540, 0.2791, 0.2917)
contains.

Yxy(55.2372, 0.2789, 0.2918)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.2372, 0.2789, 0.2918)

Conversions

Conversions Part 1

Format	Color
Hex	B4C5E4
RGB	180, 197, 228
RGB Percent	71%, 77%, 89%
CMY	0.2940, 0.2275, 0.1059
CMYK	0.21, 0.14, 0.00, 0.11
HSL	219°, 47%, 80%
HSV	219°, 21%, 89%
XYZ	52.7953, 55.2372, 81.2657
YIQ	195.4510, -20.0830, 6.0370

Conversions

Conversions Part 2

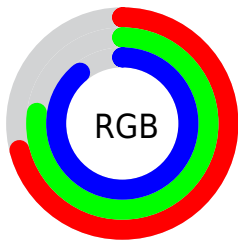
Format	Color
R _Y B	180, 193, 228
Decimal	11847140
CIE Lab	79.18, 0.76, -17.32
CIE LCh	79, 17.335, 272.527
Yxy	55.2372, 0.2789, 0.2918
Android (android.graphics.Color)	4290037220 (0xFFB4C5E4)
YUV	195.4510, 16.0467, -13.5505
Hunter-Lab	74.3217, -3.2636, -12.8043

Details

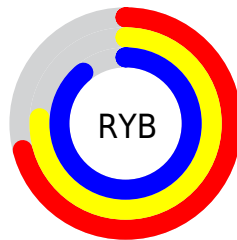
The Yxy color **55.2372, 0.2789, 0.2918** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.3848, 0.3480, 0.3636**, and the grayscale version is **54.7711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9365, 0.3011, 0.3280**, and **27.1741, 0.2701, 0.2810** is the 20% darker color. If you saturate the color by 10%, you get **46.3575, 0.2615, 0.2710**, and if you desaturate by 10%, it is **65.2253, 0.2955, 0.3106**.

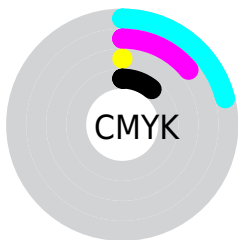
Distribution



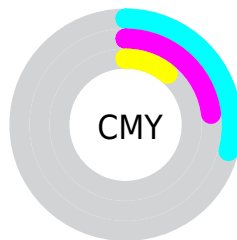
- Red (71%)
- Green (77%)
- Blue (89%)



- Red (71%)
- Yellow (76%)
- Blue (89%)



- Cyan (21%)
- Magenta (14%)
- Yellow (0%)
- Black (11%)



- Cyan (29%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.2372, 0.2789, 0.2918 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 55.2372, 0.2789, 0.2918 by changing the saturation by 10% instead.

■ 55.2372, 0.2789,
0.2918

■ 55.2372, 0.2789,
0.2918

406.8104, 0.2952,
0.3097

■ 39.5917, 0.2750,
0.2876

■ 97.8884, 0.2847,
0.2981

■ 27.2203, 0.2701,
0.2822

125.6629, 0.2869,
0.3006

■ 17.7388, 0.2638,
0.2753

158.2491, 0.2888,
0.3026

■ 10.7626, 0.2554,
0.2661

196.0315, 0.2904,
0.3044

■ 5.9074, 0.2435,
0.2532

239.3944, 0.2918,
0.3060

■ 2.7889, 0.2255,
0.2337

288.7223, 0.2931,

■ 1.0225, 0.1960,

0.3074

0.2020

344.3995, 0.2942,
0.3086

0.0000, 0.0000,
0.0000

55.2372, 0.2789,
0.2918

55.2372, 0.2789,
0.2918

46.3575, 0.2615,
0.2710

65.2253, 0.2955,
0.3106

38.5387, 0.2437,
0.2483

76.3533, 0.3112,
0.3274

31.7398, 0.2260,
0.2242

88.6601, 0.3257,
0.3422

25.9141, 0.2091,
0.1992

98.3806, 0.3286,
0.3552

21.0108, 0.1938,
0.1742

■ 16.9735, 0.1808,
0.1502

■ 13.7377, 0.1708,
0.1283

■ 11.4363, 0.1642,
0.1110

Harmonies

Analogous

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



55.2372, 0.2698, 0.3012



55.2372, 0.2789, 0.2918



55.2372, 0.2970, 0.2921

Triad

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



55.2372, 0.2789, 0.2918



55.2372, 0.3555, 0.3368



55.2372, 0.3043, 0.3591

Complementary

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



55.2372, 0.2789, 0.2918



66.3848, 0.3480, 0.3636

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.



55.2372, 0.3273, 0.3690



55.2372, 0.2789, 0.2918



55.2372, 0.3574, 0.3549

Square

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



55.2372, 0.2789, 0.2918



55.2372, 0.3416, 0.3175



55.2372, 0.3469, 0.3671



55.2372, 0.2841, 0.3402

Rectangle

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



55.2372, 0.2789, 0.2918



55.2372, 0.3121, 0.2975



55.2372, 0.3469, 0.3671



55.2372, 0.3120, 0.3636

Sweetspot

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



55.2394, 0.2789, 0.2918



91.0664, 0.3035, 0.3192



69.8584, 0.2916, 0.3497



19.2909, 0.3024, 0.3181



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.



55.2394, 0.2789, 0.2918



66.3243, 0.2718, 0.2835



48.7480, 0.2823, 0.2715



14.7173, 0.2981, 0.3134



6.8072, 0.1649, 0.1137



0.6731, 0.1731, 0.1430

Inverse Universe

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



53.1776, 0.3403, 0.3099



63.4759, 0.3472, 0.3060



74.2397, 0.3396, 0.3822



14.4518, 0.3237, 0.3207



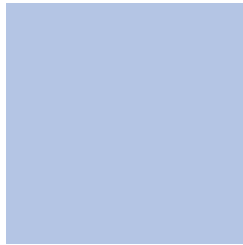
9.8849, 0.5556, 0.2834



0.7476, 0.5151, 0.2611

Previews

White Background



This preview shows how the Yxy color 55.2372, 0.2789, 0.2918 looks on a white background.

Color Contrast Check

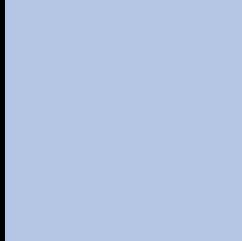
Large Text (above 18pt) WCAG AA × Fail

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 55.2372, 0.2789, 0.2918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

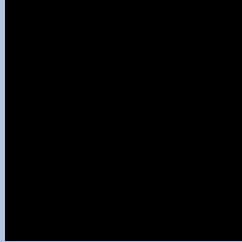
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.2372, 0.2789, 0.2918

Background



This preview shows how black text looks on a background with the Yxy color 55.2372, 0.2789, 0.2918.



This preview shows how white text looks on a background with the Yxy color 55.2372, 0.2789, 0.2918.

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

55.2372, 0.2789, 0.2918

Protanopia

55.0217, 0.2871, 0.2911

Deuteranopia

55.0609, 0.2916, 0.2850



Tritanopia

55.2181, 0.2860, 0.3093

Trichromacy



Original Color

55.2372, 0.2789, 0.2918

Protanomaly

55.0154, 0.2836, 0.2909

Deuteranomaly

55.0035, 0.2865, 0.2868

Tritanomaly

55.1392, 0.2833, 0.3022

Monochromacy



Original Color

55.2372, 0.2789, 0.2918

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

54.9320, 0.3001, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2372, 0.2789, 0.2918 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(180, 197, 228)` looks like.

```
.text, #text, p{  
    color:rgb(180, 197, 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(180, 197, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 197, 228) }
```

Border

The CSS property to change the border of an element to Yxy 55.2372, 0.2789, 0.2918 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(180, 197, 228) }
```

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

```
.border{ border-color:rgb(180, 197, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 197, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 197, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 197, 228);  
box-shadow:4px 4px 4px 4px rgb(180, 197,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2372, 0.2789, 0.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 197, 228) }
```

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

```
.background{ background-color: rgb(180,  
197, 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](#).

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