

Converting Colors

$Y_{xy}(22.9995, 0.2639, 0.3087)$

Have a look what the booklet for
Yxy(22.9995, 0.2639, 0.3087)
contains.

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Color

Yxy(22.9995, 0.2639, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	638A95
RGB	99, 138, 149
RGB Percent	39%, 54%, 58%
CMY	0.6117, 0.4588, 0.4156
CMYK	0.34, 0.07, 0.00, 0.42
HSL	193°, 20%, 49%
HSV	193°, 34%, 58%
XYZ	19.6617, 22.9995, 31.8432
YIQ	127.5930, -26.7750, -4.8470

Conversions

Conversions Part 2

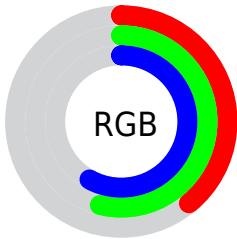
Format	Color
R _Y B	99, 121, 149
Decimal	6523541
CIE Lab	55.07, -10.64, -10.22
CIE LCh	55, 14.748, 223.850
Yxy	22.9995, 0.2639, 0.3087
Android (android.graphics.Color)	4284713621 (0xFF638A95)
YUV	127.5930, 10.5537, -25.0761
Hunter-Lab	47.9578, -10.7448, -5.7971

Details

The Yxy color **22.9995, 0.2639, 0.3087** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.4540, 0.3818, 0.3482**, and the grayscale version is **21.4103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1527, 0.2740, 0.3129**, and **8.5143, 0.2459, 0.3008** is the 20% darker color. If you saturate the color by 10%, you get **21.3085, 0.2508, 0.3016**, and if you desaturate by 10%, it is **24.8757, 0.2779, 0.3153**.

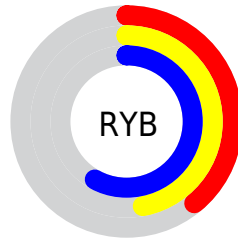
Distribution



Red (39%)

Green (54%)

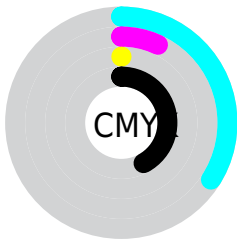
Blue (58%)



Red (39%)

Yellow (47%)

Blue (58%)

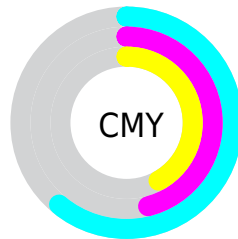


Cyan (34%)

Magenta (7%)

Yellow (0%)

Black (42%)



Cyan (61%)

Magenta (46%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9995, 0.2639, 0.3087 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 22.9995, 0.2639, 0.3087 by changing the saturation by 10% instead.

■ 22.9995, 0.2639,
0.3087

■ 22.9995, 0.2639,
0.3087

267.7224, 0.2908,
0.3204

■ 14.5931, 0.2563,
0.3051

■ 48.3925, 0.2743,
0.3134

■ 8.5343, 0.2458,
0.3001

■ 66.1479, 0.2780,
0.3150

■ 4.4387, 0.2307,
0.2923

■ 87.7885, 0.2811,
0.3163

■ 1.9219, 0.2072,
0.2794

■ 113.6986, 0.2836,
0.3174

■ 0.5615, 0.1241,
0.2543

144.2627, 0.2858,
0.3184

■ 0.0000, 0.0000,
0.0000

179.8651, 0.2877,

0.3191

220.8902, 0.2893,
0.3198

■ 22.9995, 0.2639,
0.3087

■ 22.9995, 0.2639,
0.3087

■ 21.3085, 0.2508,
0.3016

■ 24.8757, 0.2779,
0.3153

■ 19.7912, 0.2389,
0.2942

■ 26.9426, 0.2925,
0.3215

■ 18.4390, 0.2284,
0.2865

■ 29.2085, 0.3074,
0.3271

■ 17.2410, 0.2197,
0.2786

■ 31.6807, 0.3224,
0.3322

■ 16.1852, 0.2127,
0.2706

■ 34.3659, 0.3372,
0.3368

■ 15.2571, 0.2077,
0.2628

■ 37.2705, 0.3517,
0.3409

■ 14.6999, 0.2049,
0.2577

■ 40.4006, 0.3657,
0.3445

■ 43.7621, 0.3792,
0.3477

■ 47.3607, 0.3921,
0.3504

Harmonies

Analogous

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



22.9995, 0.2736, 0.3323



22.9995, 0.2639, 0.3087



22.9995, 0.2665, 0.2920

Triad

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



22.9995, 0.2639, 0.3087



22.9995, 0.3308, 0.3039



22.9995, 0.3441, 0.3748

Complementary

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



22.9995, 0.2639, 0.3087



18.4540, 0.3818, 0.3482

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.



22.9995, 0.3607, 0.3647



22.9995, 0.2639, 0.3087



22.9995, 0.3531, 0.3239

Square

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



22.9995, 0.2639, 0.3087



22.9995, 0.3043, 0.2902



22.9995, 0.3641, 0.3458



22.9995, 0.3194, 0.3721

Rectangle

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



22.9995, 0.2639, 0.3087



22.9995, 0.2750, 0.2866



22.9995, 0.3641, 0.3458



22.9995, 0.3508, 0.3727

Sweetspot

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



23.0004, 0.2639, 0.3087



49.5558, 0.2975, 0.3234



25.2767, 0.2989, 0.4039



10.8707, 0.2956, 0.3227



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.0004, 0.2639, 0.3087



38.9488, 0.2543, 0.3036



16.6771, 0.2580, 0.2607



6.3476, 0.2990, 0.3240



12.4140, 0.2051, 0.2582



0.1950, 0.2154, 0.2953

Inverse Universe

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



17.1544, 0.3309, 0.2646



27.1612, 0.3359, 0.2508



24.5791, 0.3686, 0.3889



5.8875, 0.3169, 0.3119



6.4466, 0.3842, 0.1890



0.0832, 0.3496, 0.1699

Previews

White Background



This preview shows how the Yxy color 22.9995, 0.2639, 0.3087 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9995, 0.2639, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

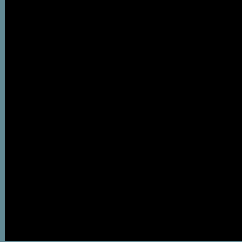
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

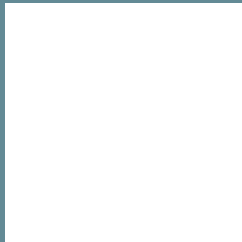
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.9995, 0.2639, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 22.9995, 0.2639, 0.3087.



This preview shows how white text looks on a background with the Yxy color 22.9995, 0.2639, 0.3087.

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

22.9995, 0.2639, 0.3087

Protanopia

22.7247, 0.2981, 0.3048

Deuteranopia

22.8236, 0.2965, 0.2905



Tritanopia

22.9995, 0.2639, 0.3087

Trichromacy



Original Color

22.9995, 0.2639, 0.3087

Protanomaly

22.7723, 0.2846, 0.3060

Deuteranomaly

22.8421, 0.2838, 0.2977

Tritanomaly

22.9995, 0.2639, 0.3087

Monochromacy



Original Color

22.9995, 0.2639, 0.3087

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.0620, 0.2921, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9995, 0.2639, 0.3087 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(99, 138, 149) looks like.

```
.text, #text, p{  
    color:rgb(99, 138, 149)  
}
```

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(99, 138, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 138, 149) }
```

Border

The CSS property to change the border of an element to Yxy 22.9995, 0.2639, 0.3087 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(99, 138, 149) }
```

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

```
.border{ border-color:rgb(99, 138, 149) }
```

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

Here you see how a box with a 4 pixel rgb(99, 138, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 138, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 138, 149);  
box-shadow:4px 4px 4px 4px rgb(99, 138,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9995, 0.2639, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 138, 149) }
```

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

```
.background{ background-color: rgb(99, 138,  
149) }
```

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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