

Converting Colors

$Y_{xy}(27.5100, 0.2443, 0.3009)$

Have a look what the booklet for
Yxy(27.5100, 0.2443, 0.3009)
contains.

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Color

$\text{Yxy}(27.6255, 0.2442, 0.3012)$

Conversions

Conversions Part 1

Format	Color
Hex	5699A9
RGB	86, 153, 169
RGB Percent	34%, 60%, 66%
CMY	0.6624, 0.4000, 0.3372
CMYK	0.49, 0.09, 0.00, 0.34
HSL	192°, 33%, 50%
HSV	192°, 49%, 66%
XYZ	22.3976, 27.6255, 41.6951
YIQ	134.7910, -45.0680, -9.2280

Conversions

Conversions Part 2

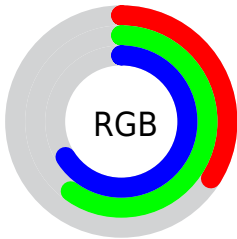
Format	Color
R _Y B	86, 123, 169
Decimal	5675433
CIE Lab	59.55, -16.81, -14.98
CIE LCh	60, 22.514, 221.705
Yxy	27.6255, 0.2442, 0.3012
Android (android.graphics.Color)	4283865513 (0xFF5699A9)
YUV	134.7910, 16.8650, -42.7897
Hunter-Lab	52.5600, -15.9151, -10.2419

Details

The Yxy color **27.6255, 0.2442, 0.3012** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.6364, 0.4331, 0.3539**, and the grayscale version is **24.1044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6702, 0.2580, 0.3072**, and **11.0201, 0.2217, 0.2904** is the 20% darker color. If you saturate the color by 10%, you get **25.8612, 0.2334, 0.2945**, and if you desaturate by 10%, it is **29.6109, 0.2565, 0.3076**.

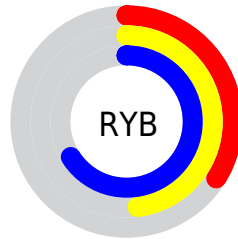
Distribution



Red (34%)

Green (60%)

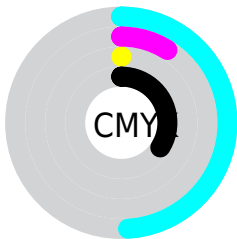
Blue (66%)



Red (34%)

Yellow (48%)

Blue (66%)

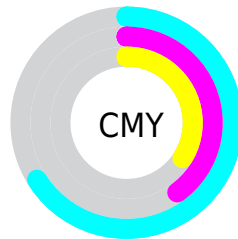


Cyan (49%)

Magenta (9%)

Yellow (0%)

Black (34%)



Cyan (66%)

Magenta (40%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6255, 0.2442, 0.3012 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 27.6255, 0.2442, 0.3012 by changing the saturation by 10% instead.

■ 27.6255, 0.2442,
0.3012

■ 27.6255, 0.2442,
0.3012

■ 290.6731, 0.2805,
0.3170

■ 18.0435, 0.2345,
0.2965

■ 55.8860, 0.2579,
0.3075

■ 10.9813, 0.2216,
0.2900

■ 75.3333, 0.2629,
0.3097

■ 6.0542, 0.2038,
0.2805

■ 98.8378, 0.2671,
0.3114

■ 2.8781, 0.1780,
0.2653

■ 126.7840, 0.2706,
0.3129

■ 1.0684, 0.1332,
0.2394

■ 159.5563, 0.2736,
0.3142

■ 0.0000, 0.0000,
0.0000

197.5389, 0.2762,

0.3153

241.1164, 0.2785,
0.3162

■ 27.6255, 0.2442,
0.3012

■ 27.6255, 0.2442,
0.3012

■ 25.8612, 0.2334,
0.2945

■ 29.6109, 0.2565,
0.3076

■ 24.3012, 0.2242,
0.2877

■ 31.8268, 0.2699,
0.3137

■ 22.9307, 0.2169,
0.2807

■ 34.2856, 0.2842,
0.3194

■ 21.7316, 0.2115,
0.2738

■ 36.9981, 0.2990,
0.3246

■ 20.6686, 0.2077,
0.2669

■ 39.9740, 0.3141,
0.3294

■ 20.5717, 0.2073,
0.2663

■ 43.2229, 0.3293,
0.3338

■ 46.7535, 0.3443,
0.3376

■ 50.5743, 0.3589,
0.3410

■ 54.6933, 0.3730,
0.3441

Harmonies

Analogous

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



27.6255, 0.2587, 0.3358



27.6255, 0.2442, 0.3012



27.6255, 0.2467, 0.2772

Triad

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



27.6255, 0.2442, 0.3012



27.6255, 0.3357, 0.2919



27.6255, 0.3593, 0.3944

Complementary

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



27.6255, 0.2442, 0.3012



18.6364, 0.4331, 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.



27.6255, 0.3826, 0.3774



27.6255, 0.2442, 0.3012



27.6255, 0.3690, 0.3190

Square

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



27.6255, 0.2442, 0.3012



27.6255, 0.2976, 0.2736



27.6255, 0.3865, 0.3496



27.6255, 0.3243, 0.3930

Rectangle

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



27.6255, 0.2442, 0.3012



27.6255, 0.2576, 0.2694



27.6255, 0.3865, 0.3496



27.6255, 0.3688, 0.3905

Sweetspot

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



27.6266, 0.2442, 0.3012



63.1796, 0.2898, 0.3214



31.3099, 0.2954, 0.4533



13.5616, 0.2868, 0.3204



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



27.6266, 0.2442, 0.3012



46.0133, 0.2324, 0.2938



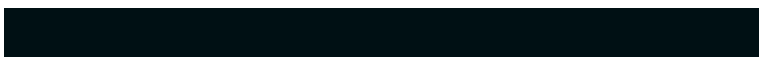
16.5140, 0.2301, 0.2256



8.2820, 0.2987, 0.3245



15.4035, 0.2075, 0.2670



0.4362, 0.2138, 0.2896

Inverse Universe

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



17.4066, 0.3393, 0.2321



26.3125, 0.3471, 0.2138



28.6820, 0.4010, 0.4132



7.6414, 0.3166, 0.3110



7.6260, 0.3757, 0.1843



0.1917, 0.3547, 0.1727

Previews

White Background



This preview shows how the Yxy color 27.6255, 0.2442, 0.3012 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 27.6255, 0.2442, 0.3012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

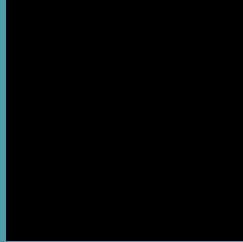
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6255, 0.2442, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 27.6255, 0.2442, 0.3012.



This preview shows how white text looks on a background with the Yxy color 27.6255, 0.2442, 0.3012.

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

27.6255, 0.2442, 0.3012

Protanopia

27.5301, 0.2916, 0.2973

Deuteranopia

27.4855, 0.2846, 0.2795



Tritanopia

27.4669, 0.2455, 0.3062

Trichromacy



Original Color

27.6255, 0.2442, 0.3012

Protanomaly

27.2675, 0.2708, 0.2976

Deuteranomaly

27.3286, 0.2676, 0.2868

Tritanomaly

27.5038, 0.2448, 0.3045

Monochromacy



Original Color

27.6255, 0.2442, 0.3012

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.2345, 0.2826, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6255, 0.2442, 0.3012 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 $rgb(86, 153, 169)$ looks like.

```
.text, #text, p{  
    color:rgb(86, 153, 169)  
}
```

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(86, 153, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 153, 169) }
```

Border

The CSS property to change the border of an element to Yxy 27.6255, 0.2442, 0.3012 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(86, 153, 169) }
```

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

```
.border{ border-color:rgb(86, 153, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 153, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 153, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 153, 169);  
box-shadow:4px 4px 4px 4px rgb(86, 153,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6255, 0.2442, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 153, 169) }
```

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

```
.background{ background-color: rgb(86, 153,  
169) }
```

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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