

Converting Colors

$Y_{xy}(24.6841, 0.3016, 0.3210)$

Have a look what the booklet for
Yxy(24.6841, 0.3016, 0.3210)
contains.

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Color

Yxy(24.6696, 0.3012, 0.3204)

Conversions

Conversions Part 1	
Format	Color
Hex	83898E
RGB	131, 137, 142
RGB Percent	51%, 54%, 56%
CMY	0.4862, 0.4628, 0.4431
CMYK	0.08, 0.04, 0.00, 0.44
HSL	207°, 5%, 54%
HSV	207°, 8%, 56%
XYZ	23.1913, 24.6696, 29.1354
YIQ	135.7760, -5.1810, 0.2830

Conversions

Conversions Part 2

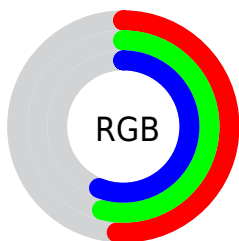
Format	Color
RYB	131, 135, 142
Decimal	8620430
CIELab	56.75, -1.15, -3.44
CIELCh	57, 3.631, 251.578
Yxy	24.6696, 0.3012, 0.3204
Android (android.graphics.Color)	4286810510 (0xFF83898E)
YUV	135.7760, 3.0684, -4.1886
Hunter-Lab	49.6685, -3.5745, -0.0114

Details

The Yxy color $24.6696, 0.3012, 0.3204$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $25.0103, 0.3247, 0.3375$, and the grayscale version is $24.5240, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.0028, 0.3034, 0.3214$, and $9.3829, 0.2972, 0.3162$ is the 20% darker color. If you saturate the color by 10%, you get $21.8253, 0.2859, 0.3082$, and if you desaturate by 10%, it is $27.7822, 0.3160, 0.3314$.

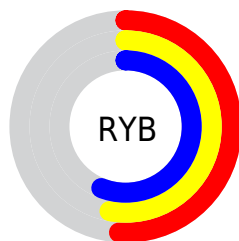
Distribution



Red (51%)

Green (54%)

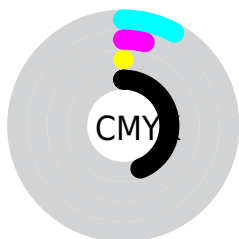
Blue (56%)



Red (51%)

Yellow (53%)

Blue (56%)

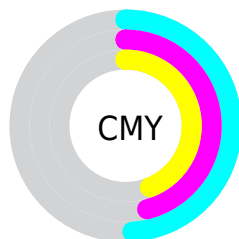


Cyan (8%)

Magenta (4%)

Yellow (0%)

Black (44%)



Cyan (49%)

Magenta (46%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6696, 0.3012, 0.3204 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 24.6696, 0.3012, 0.3204 by changing the saturation by 10% instead.


 24.6696, 0.3012,
0.3204

 24.6696, 0.3012,
0.3204


276.1885, 0.3076,
0.3252


 15.8311, 0.2994,
0.3190


 51.1207, 0.3037,
0.3223

 9.4047, 0.2969,
0.3171

 69.5021, 0.3046,
0.3229

 5.0061, 0.2932,
0.3143


 91.8332, 0.3053,
0.3235

 2.2508, 0.2873,
0.3098

118.4984, 0.3059,
0.3239

 0.7475, 0.2744,
0.3005


149.8822, 0.3064,
0.3243


 0.0000, 0.0000,
0.0000


186.3688, 0.3068,

0.3246


228.3428, 0.3072,
0.3249


 24.6696, 0.3012,
0.3204


 24.6696, 0.3012,
0.3204


 21.8253, 0.2859,
0.3082


 27.7822, 0.3160,
0.3314

 19.2379, 0.2704,
0.2948


 31.1677, 0.3302,
0.3412


 16.8998, 0.2549,
0.2802

 34.8346, 0.3437,
0.3499

 14.8017, 0.2397,
0.2645

 38.7900, 0.3563,
0.3575

 12.9337, 0.2254,
0.2479

 43.0409, 0.3682,
0.3642

■ 11.2850, 0.2123,
0.2308

■ 47.5938, 0.3793,
0.3702

■ 9.8435, 0.2008,
0.2135

■ 52.4550, 0.3896,
0.3753

■ 8.5957, 0.1914,
0.1963

■ 57.6309, 0.3992,
0.3798

■ 7.5171, 0.1839,
0.1796

■ 62.3930, 0.4049,
0.3845

Harmonies

Analogous

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



24.6696, 0.3008, 0.3248



24.6696, 0.3012, 0.3204



24.6696, 0.3047, 0.3183

Triad

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



24.6696, 0.3012, 0.3204



24.6696, 0.3220, 0.3275



24.6696, 0.3150, 0.3392

Complementary

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



24.6696, 0.3012, 0.3204



25.0103, 0.3247, 0.3375

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.



24.6696, 0.3208, 0.3398



24.6696, 0.3012, 0.3204



24.6696, 0.3248, 0.3330

Square

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



24.6696, 0.3012, 0.3204



24.6696, 0.3167, 0.3225



24.6696, 0.3244, 0.3376



24.6696, 0.3087, 0.3357

Rectangle

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



24.6696, 0.3012, 0.3204



24.6696, 0.3083, 0.3185



24.6696, 0.3244, 0.3376



24.6696, 0.3171, 0.3397

Sweetspot

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



24.6706, 0.3012, 0.3204



46.5634, 0.3097, 0.3268



25.9536, 0.3070, 0.3393



10.4167, 0.3099, 0.3270



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



24.6706, 0.3012, 0.3204



42.7411, 0.2990, 0.3187



23.1668, 0.3012, 0.3110



5.7101, 0.2990, 0.3187



6.5798, 0.1824, 0.1766



0.1070, 0.2025, 0.2490

Inverse Universe

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



23.7963, 0.3190, 0.3190



40.9432, 0.3202, 0.3171



26.5780, 0.3239, 0.3464



5.4700, 0.3202, 0.3171



5.6506, 0.4727, 0.2377



0.0585, 0.3932, 0.1940

Previews

White Background



This preview shows how the Yxy color 24.6696, 0.3012, 0.3204 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 24.6696, 0.3012, 0.3204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

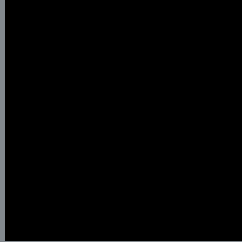
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

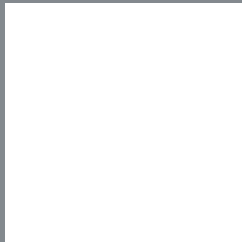
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.6696, 0.3012, 0.3204

Background



This preview shows how black text looks on a background with the Yxy color 24.6696, 0.3012, 0.3204.



This preview shows how white text looks on a background with the Yxy color 24.6696, 0.3012, 0.3204.

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

24.6696, 0.3012, 0.3204

Protanopia

24.5694, 0.3088, 0.3189

Deuteranopia

24.5967, 0.3170, 0.3111



Tritanopia

24.6204, 0.2974, 0.3104

Trichromacy



Original Color

24.6696, 0.3012, 0.3204

Protanomaly

24.6823, 0.3065, 0.3205

Deuteranomaly

24.6961, 0.3112, 0.3141

Tritanomaly

24.5582, 0.2993, 0.3137

Monochromacy



Original Color

24.6696, 0.3012, 0.3204

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.5116, 0.3085, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6696, 0.3012, 0.3204 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(131, 137, 142) looks like.

```
.text, #text, p{  
    color:rgb(131, 137, 142)  
}
```

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(131, 137, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 137, 142) }
```

Border

The CSS property to change the border of an element to Yxy 24.6696, 0.3012, 0.3204 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(131, 137, 142) }
```

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

```
.border{ border-color:rgb(131, 137, 142) }
```

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

Here you see how a box with a 4 pixel rgb(131, 137, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 137, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 137, 142);  
box-shadow:4px 4px 4px 4px rgb(131, 137,  
142) }
```

Background

The CSS property to change the background color of an element to Yxy 24.6696, 0.3012, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 137, 142) }
```

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

```
.background{ background-color: rgb(131,  
137, 142) }
```

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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