

Converting Colors

$Y_{xy}(24.2178, 0.2836, 0.3592)$

Have a look what the booklet for
Yxy(24.2178, 0.2836, 0.3592)
contains.

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Color

Yxy(24.2144, 0.2836, 0.3591)

Conversions

Conversions Part 1

Format	Color
Hex	649080
RGB	100, 144, 128
RGB Percent	39%, 56%, 50%
CMY	0.6080, 0.4353, 0.4980
CMYK	0.31, 0.00, 0.11, 0.44
HSL	158°, 18%, 48%
HSV	158°, 31%, 56%
XYZ	19.1234, 24.2144, 24.0930
YIQ	129.0200, -21.0880, -14.3040

Conversions

Conversions Part 2

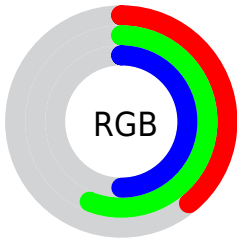
Format	Color
R _Y B	100, 127, 144
Decimal	6590592
CIE Lab	56.30, -18.66, 3.69
CIE LCh	56, 19.022, 168.816
Yxy	24.2144, 0.2836, 0.3591
Android (android.graphics.Color)	4284780672 (0xFF649080)
YUV	129.0200, -0.5029, -25.4505
Hunter-Lab	49.2081, -16.7452, 5.4164

Details

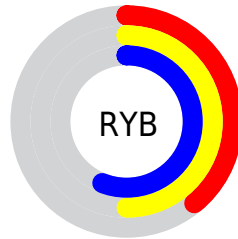
The Yxy color **24.2144, 0.2836, 0.3591** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.2989, 0.3547, 0.3010**, and the grayscale version is **21.9664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3998, 0.2898, 0.3521**, and **9.0970, 0.2721, 0.3700** is the 20% darker color. If you saturate the color by 10%, you get **23.3316, 0.2755, 0.3708**, and if you desaturate by 10%, it is **25.2514, 0.2926, 0.3483**.

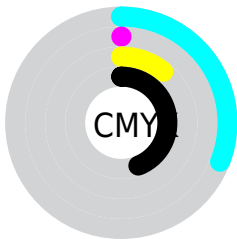
Distribution



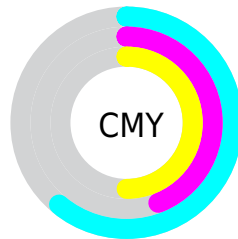
- Red (39%)
- Green (56%)
- Blue (50%)



- Red (39%)
- Yellow (50%)
- Blue (56%)



- Cyan (31%)
- Magenta (0%)
- Yellow (11%)
- Black (44%)



- Cyan (61%)
- Magenta (44%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2144, 0.2836, 0.3591 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 24.2144, 0.2836, 0.3591 by changing the saturation by 10% instead.

■ 24.2144, 0.2836,
0.3591

■ 24.2144, 0.2836,
0.3591

273.9026, 0.2999,
0.3421

■ 15.4927, 0.2788,
0.3641

■ 50.3798, 0.2900,
0.3524

■ 9.1659, 0.2722,
0.3712

■ 68.5924, 0.2922,
0.3500

■ 4.8496, 0.2625,
0.3818

■ 90.7374, 0.2941,
0.3481

■ 2.1593, 0.2465,
0.3994

■ 117.1992, 0.2956,
0.3465

■ 0.6977, 0.1475,
0.4959

148.3623, 0.2969,
0.3452

■ 0.0000, 0.0000,
0.0000

184.6109, 0.2980,

0.3440

226.3296, 0.2990,
0.3430

■ 24.2144, 0.2836,
0.3591

■ 24.2144, 0.2836,
0.3591

■ 23.3316, 0.2755,
0.3708

■ 25.2514, 0.2926,
0.3483

■ 22.5923, 0.2685,
0.3832

■ 26.4469, 0.3022,
0.3384

■ 21.9890, 0.2630,
0.3963

■ 27.8085, 0.3121,
0.3295

■ 21.5124, 0.2592,
0.4099

■ 29.3426, 0.3222,
0.3215

■ 21.1519, 0.2572,
0.4236

■ 31.0552, 0.3323,
0.3144

■ 20.8950, 0.2572,
0.4372

■ 32.9519, 0.3422,
0.3080

■ 20.7164, 0.2583,
0.4500

■ 35.0382, 0.3519,
0.3025

■ 37.3194, 0.3612,
0.2976

■ 39.8004, 0.3702,
0.2934

Harmonies

Analogous

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



24.2144, 0.3153, 0.3820



24.2144, 0.2836, 0.3591



24.2144, 0.2604, 0.3276

Triad

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



24.2144, 0.2836, 0.3591



24.2144, 0.2769, 0.2747



24.2144, 0.3787, 0.3540

Complementary

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



24.2144, 0.2836, 0.3591



16.2989, 0.3547, 0.3010

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.



24.2144, 0.3675, 0.3267



24.2144, 0.2836, 0.3591



24.2144, 0.3073, 0.2826

Square

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



24.2144, 0.2836, 0.3591



24.2144, 0.2568, 0.2800



24.2144, 0.3409, 0.3012



24.2144, 0.3710, 0.3768

Rectangle

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



24.2144, 0.2836, 0.3591



24.2144, 0.2524, 0.3074



24.2144, 0.3409, 0.3012



24.2144, 0.3770, 0.3451

Sweetspot

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



24.2154, 0.2836, 0.3591



46.9580, 0.3036, 0.3371



24.5894, 0.3257, 0.4109



10.6994, 0.3023, 0.3384



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.2154, 0.2836, 0.3591



41.5601, 0.2777, 0.3674



22.9375, 0.2689, 0.3180



6.0835, 0.3036, 0.3371



18.0429, 0.2581, 0.4492



0.1767, 0.2413, 0.3887

Inverse Universe

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



16.2989, 0.3547, 0.3010



25.2062, 0.3686, 0.2941



17.1252, 0.3756, 0.3396



5.4544, 0.3228, 0.3210



5.3858, 0.5462, 0.2783



0.0555, 0.4420, 0.2209

Previews

White Background



This preview shows how the Yxy color 24.2144, 0.2836, 0.3591 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 24.2144, 0.2836, 0.3591 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 24.2144, 0.2836, 0.3591

Background



This preview shows how black text looks on a background with the Yxy color 24.2144, 0.2836, 0.3591.



This preview shows how white text looks on a background with the Yxy color 24.2144, 0.2836, 0.3591.

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

24.2144, 0.2836, 0.3591

Protanopia

24.0557, 0.3314, 0.3479

Deuteranopia

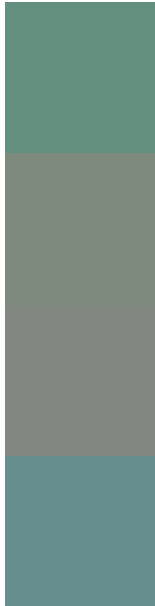
23.9935, 0.3340, 0.3274



Tritanopia

24.3200, 0.2673, 0.3093

Trichromacy



Original Color

24.2144, 0.2836, 0.3591

Protanomaly

24.0176, 0.3116, 0.3523

Deuteranomaly

23.7649, 0.3134, 0.3378

Tritanomaly

24.2127, 0.2732, 0.3271

Monochromacy



Original Color

24.2144, 0.2836, 0.3591

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.4867, 0.3001, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2144, 0.2836, 0.3591 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(100, 144, 128)` looks like.

```
.text, #text, p{  
    color:rgb(100, 144, 128)  
}
```

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(100, 144, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 144, 128) }
```

Border

The CSS property to change the border of an element to Yxy 24.2144, 0.2836, 0.3591 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(100, 144, 128) }
```

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

```
.border{ border-color:rgb(100, 144, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 144, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 144, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 144, 128);  
box-shadow:4px 4px 4px 4px rgb(100, 144,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2144, 0.2836, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 144, 128) }
```

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

```
.background{ background-color: rgb(100,  
144, 128) }
```

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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