

Converting Colors

$Y_{xy}(24.1341, 0.2700, 0.3192)$

Have a look what the booklet for
Yxy(24.1341, 0.2700, 0.3192)
contains.

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Color

Yxy(24.0399, 0.2697, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	678D93
RGB	103, 141, 147
RGB Percent	40%, 55%, 58%
CMY	0.5959, 0.4471, 0.4235
CMYK	0.30, 0.04, 0.00, 0.42
HSL	188°, 18%, 49%
HSV	188°, 30%, 58%
XYZ	20.3886, 24.0399, 31.1687
YIQ	130.3220, -24.5740, -6.1900

Conversions

Conversions Part 2

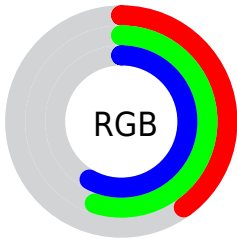
Format	Color
R _Y B	103, 123, 147
Decimal	6786451
CIE Lab	56.13, -11.59, -7.45
CIE LCh	56, 13.776, 212.748
Yxy	24.0399, 0.2697, 0.3180
Android (android.graphics.Color)	4284976531 (0xFF678D93)
YUV	130.3220, 8.2223, -23.9614
Hunter-Lab	49.0305, -11.5770, -3.3693

Details

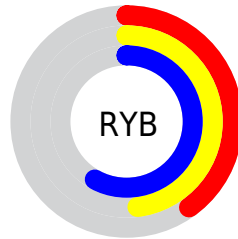
The Yxy color **24.0399, 0.2697, 0.3180** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.1316, 0.3739, 0.3397**, and the grayscale version is **22.4235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2158, 0.2785, 0.3210**, and **9.1110, 0.2550, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **22.6593, 0.2569, 0.3138**, and if you desaturate by 10%, it is **25.5861, 0.2835, 0.3220**.

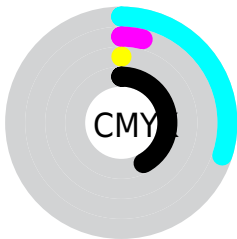
Distribution



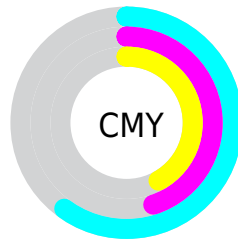
- Red (40%)
- Green (55%)
- Blue (58%)



- Red (40%)
- Yellow (48%)
- Blue (58%)



- Cyan (30%)
- Magenta (4%)
- Yellow (0%)
- Black (42%)



- Cyan (60%)
- Magenta (45%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0399, 0.2697, 0.3180 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 24.0399, 0.2697, 0.3180 by changing the saturation by 10% instead.

■ 24.0399, 0.2697,
0.3180

■ 24.0399, 0.2697,
0.3180

■ 273.0221, 0.2933,
0.3244

■ 15.3632, 0.2630,
0.3160

■ 50.0953, 0.2788,
0.3206

■ 9.0747, 0.2539,
0.3131

■ 68.2428, 0.2821,
0.3215

■ 4.7899, 0.2407,
0.3087

■ 90.3161, 0.2848,
0.3222

■ 2.1245, 0.2202,
0.3011

■ 116.6994, 0.2870,
0.3228

■ 0.6784, 0.1553,
0.2910

■ 147.7773, 0.2889,
0.3233

■ 0.0000, 0.0000,
0.0000

183.9342, 0.2906,

0.3238

225.5543, 0.2920,
0.3241

■ 24.0399, 0.2697,
0.3180

■ 24.0399, 0.2697,
0.3180

■ 22.6593, 0.2569,
0.3138

■ 25.5861, 0.2835,
0.3220

■ 21.4332, 0.2455,
0.3094

■ 27.3023, 0.2979,
0.3257

■ 20.3539, 0.2355,
0.3048

■ 29.1967, 0.3129,
0.3290

■ 19.4116, 0.2272,
0.3001

■ 31.2757, 0.3280,
0.3321

■ 18.5953, 0.2208,
0.2954

■ 33.5455, 0.3431,
0.3349

■ 17.8923, 0.2161,
0.2907

■ 36.0121, 0.3579,
0.3373

■ 17.2693, 0.2128,
0.2860

■ 38.6812, 0.3724,
0.3395

■ 17.2632, 0.2128,
0.2860

■ 41.5582, 0.3864,
0.3413

■ 44.6483, 0.3999,
0.3430

Harmonies

Analogous

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



24.0399, 0.2826, 0.3406



24.0399, 0.2697, 0.3180



24.0399, 0.2678, 0.2997

Triad

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



24.0399, 0.2697, 0.3180



24.0399, 0.3205, 0.3003



24.0399, 0.3485, 0.3690

Complementary

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



24.0399, 0.2697, 0.3180



18.1316, 0.3739, 0.3397

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.



24.0399, 0.3596, 0.3562



24.0399, 0.2697, 0.3180



24.0399, 0.3432, 0.3171

Square

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



24.0399, 0.2697, 0.3180



24.0399, 0.2964, 0.2905



24.0399, 0.3577, 0.3372



24.0399, 0.3278, 0.3710

Rectangle

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



24.0399, 0.2697, 0.3180



24.0399, 0.2730, 0.2921



24.0399, 0.3577, 0.3372



24.0399, 0.3535, 0.3657

Sweetspot

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



24.0409, 0.2697, 0.3180



49.1270, 0.2990, 0.3259



24.8557, 0.3036, 0.4016



11.1157, 0.2970, 0.3254



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.



24.0409, 0.2697, 0.3180



41.3309, 0.2608, 0.3151



18.2253, 0.2652, 0.2765



6.4285, 0.2990, 0.3259



14.9927, 0.2129, 0.2862



0.2135, 0.2192, 0.3089

Inverse Universe

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



17.8357, 0.3237, 0.2661



28.4972, 0.3267, 0.2517



23.3845, 0.3635, 0.3763



5.8957, 0.3157, 0.3101



6.7069, 0.3577, 0.1744



0.0851, 0.3376, 0.1634

Previews

White Background



This preview shows how the Yxy color 24.0399, 0.2697, 0.3180 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 24.0399, 0.2697, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

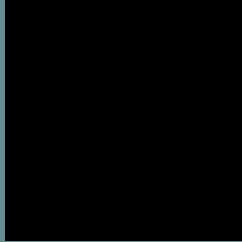
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0399, 0.2697, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 24.0399, 0.2697, 0.3180.



This preview shows how white text looks on a background with the Yxy color 24.0399, 0.2697, 0.3180.

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

24.0399, 0.2697, 0.3180

Protanopia

23.7964, 0.3045, 0.3137

Deuteranopia

23.9780, 0.3040, 0.2993



Tritanopia

23.9662, 0.2662, 0.3074

Trichromacy



Original Color

24.0399, 0.2697, 0.3180

Protanomaly

23.8329, 0.2908, 0.3150

Deuteranomaly

23.9781, 0.2911, 0.3067

Tritanomaly

23.9012, 0.2679, 0.3109

Monochromacy



Original Color

24.0399, 0.2697, 0.3180

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.8208, 0.2953, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0399, 0.2697, 0.3180 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(103, 141, 147)` looks like.

```
.text, #text, p{  
    color:rgb(103, 141, 147)  
}
```

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(103, 141, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 141, 147) }
```

Border

The CSS property to change the border of an element to Yxy 24.0399, 0.2697, 0.3180 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(103, 141, 147) }
```

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

```
.border{ border-color:rgb(103, 141, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 141, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 141, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 141, 147);  
box-shadow:4px 4px 4px 4px rgb(103, 141,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0399, 0.2697, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 141, 147) }
```

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

```
.background{ background-color: rgb(103,  
141, 147) }
```

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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