

Converting Colors

$Y_{xy}(24.1651, 0.2555, 0.3270)$

Have a look what the booklet for
Yxy(24.1651, 0.2555, 0.3270)
contains.

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Color

Yxy(24.1651, 0.2555, 0.3270)

Conversions

Conversions Part 1

Format	Color
Hex	539192
RGB	83, 145, 146
RGB Percent	33%, 57%, 57%
CMY	0.6744, 0.4314, 0.4275
CMYK	0.43, 0.01, 0.00, 0.43
HSL	181°, 27%, 45%
HSV	181°, 43%, 57%
XYZ	18.8813, 24.1651, 30.8530
YIQ	126.5760, -37.2730, -12.8330

Conversions

Conversions Part 2

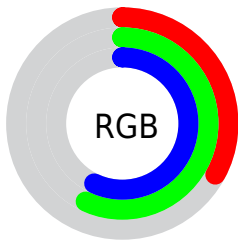
Format	Color
RYB	83, 114, 146
Decimal	5476754
CIELab	56.25, -19.69, -6.79
CIELCh	56, 20.829, 199.026
Yxy	24.1651, 0.2555, 0.3270
Android (android.graphics.Color)	4283666834 (0xFF539192)
YUV	126.5760, 9.5760, -38.2162
Hunter-Lab	49.1580, -17.4658, -2.8015

Details

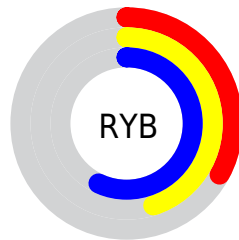
The Yxy color **24.1651, 0.2555, 0.3270** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.0755, 0.4198, 0.3310**, and the grayscale version is **21.0492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2512, 0.2672, 0.3275**, and **9.0968, 0.2341, 0.3230** is the 20% darker color. If you saturate the color by 10%, you get **23.5012, 0.2458, 0.3265**, and if you desaturate by 10%, it is **24.9709, 0.2668, 0.3275**.

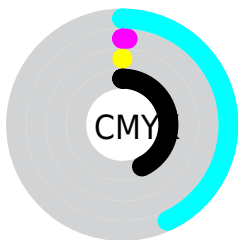
Distribution



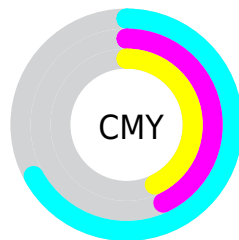
- Red (33%)
- Green (57%)
- Blue (57%)



- Red (33%)
- Yellow (45%)
- Blue (57%)



- Cyan (43%)
- Magenta (1%)
- Yellow (0%)
- Black (43%)





- Cyan (67%)
- Magenta (43%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1651, 0.2555, 0.3270 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 24.1651, 0.2555, 0.3270 by changing the saturation by 10% instead.


 24.1651, 0.2555,
0.3270


 24.1651, 0.2555,
0.3270


273.6541, 0.2867,
0.3287


 15.4561, 0.2467,
0.3263


 50.2995, 0.2675,
0.3278


 9.1401, 0.2348,
0.3251


 68.4937, 0.2719,
0.3281


 4.8327, 0.2177,
0.3229

 90.6184, 0.2754,
0.3282

 2.1494, 0.1915,
0.3185

 117.0581, 0.2784,
0.3284

 0.6922, 0.0835,
0.3261

 148.1971, 0.2810,
0.3285

 0.0000, 0.0000,
0.0000

184.4199, 0.2832,

0.3286

226.1107, 0.2851,
0.3286

■ 24.1651, 0.2555,
0.3270

■ 24.1651, 0.2555,
0.3270

■ 23.5012, 0.2458,
0.3265

■ 24.9709, 0.2668,
0.3275

■ 22.9674, 0.2378,
0.3260

■ 25.9237, 0.2795,
0.3280

■ 22.5549, 0.2317,
0.3255


■ 27.0321, 0.2933,
0.3284

■ 22.2524, 0.2273,
0.3250


■ 28.3029, 0.3080,
0.3289

■ 22.0466, 0.2247,
0.3245


■ 29.7427, 0.3233,
0.3293

 21.9348, 0.2234,
0.3241

 31.3577, 0.3388,
0.3296

 33.1537, 0.3545,
0.3300

 35.1364, 0.3700,
0.3303

 37.3110, 0.3852,
0.3305

Harmonies

Analogous

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



24.1651, 0.2806, 0.3619



24.1651, 0.2555, 0.3270



24.1651, 0.2454, 0.2953

Triad

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



24.1651, 0.2555, 0.3270



24.1651, 0.3070, 0.2786



24.1651, 0.3764, 0.3812

Complementary

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



24.1651, 0.2555, 0.3270



13.0755, 0.4198, 0.3310

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.



24.1651, 0.3851, 0.3562



24.1651, 0.2555, 0.3270



24.1651, 0.3437, 0.2988

Square

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



24.1651, 0.2555, 0.3270



24.1651, 0.2737, 0.2699



24.1651, 0.3730, 0.3265



24.1651, 0.3503, 0.3938

Rectangle

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



24.1651, 0.2555, 0.3270



24.1651, 0.2478, 0.2804



24.1651, 0.3730, 0.3265



24.1651, 0.3815, 0.3739

Sweetspot

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



24.1660, 0.2555, 0.3270



47.6749, 0.2931, 0.3284



23.0158, 0.3067, 0.4581



10.5137, 0.2903, 0.3283



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.



24.1660, 0.2555, 0.3270



41.4809, 0.2458, 0.3265



16.0636, 0.2456, 0.2660



6.5470, 0.2990, 0.3286



19.3129, 0.2234, 0.3242



0.2403, 0.2241, 0.3266

Inverse Universe

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



14.3445, 0.3189, 0.2280



21.7859, 0.3202, 0.2076



18.8824, 0.3963, 0.3840



5.9077, 0.3140, 0.3075



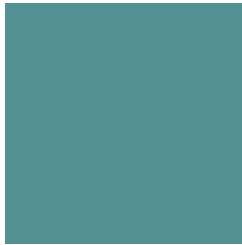
7.1430, 0.3247, 0.1562



0.0878, 0.3227, 0.1551

Previews

White Background



This preview shows how the Yxy color 24.1651, 0.2555, 0.3270 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 24.1651, 0.2555, 0.3270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

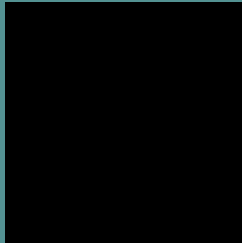
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1651, 0.2555, 0.3270

Background



This preview shows how black text looks on a background with the Yxy color 24.1651, 0.2555, 0.3270.



This preview shows how white text looks on a background with the Yxy color 24.1651, 0.2555, 0.3270.

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

24.1651, 0.2555, 0.3270

Protanopia

23.7900, 0.3087, 0.3188

Deuteranopia

23.9780, 0.3040, 0.2993



Tritanopia

24.2915, 0.2507, 0.3087

Trichromacy



Original Color

24.1651, 0.2555, 0.3270

Protanomaly

23.5573, 0.2857, 0.3200

Deuteranomaly

23.6684, 0.2831, 0.3079

Tritanomaly

24.1448, 0.2522, 0.3141

Monochromacy



Original Color

24.1651, 0.2555, 0.3270

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.1509, 0.2878, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1651, 0.2555, 0.3270 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(83, 145, 146)` looks like.

```
.text, #text, p{  
    color:rgb(83, 145, 146)  
}
```

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(83, 145, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 145, 146) }
```

Border

The CSS property to change the border of an element to Yxy 24.1651, 0.2555, 0.3270 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(83, 145, 146) }
```

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

```
.border{ border-color:rgb(83, 145, 146) }
```

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

Here you see how a box with a 4 pixel rgb(83, 145, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 145, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 145, 146);  
box-shadow:4px 4px 4px 4px rgb(83, 145,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1651, 0.2555, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 145, 146) }
```

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

```
.background{ background-color: rgb(83, 145,  
146) }
```

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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