

Converting Colors

$Y_{xy}(26.0631, 0.2635, 0.4092)$

Have a look what the booklet for
Yxy(26.0631, 0.2635, 0.4092)
contains.

Yxy(26.2390, 0.2635, 0.4091)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(26.2390, 0.2635, 0.4091)$

Conversions

Conversions Part 1

Format	Color
Hex	389D75
RGB	56, 157, 117
RGB Percent	22%, 62%, 46%
CMY	0.7802, 0.3843, 0.5412
CMYK	0.64, 0.00, 0.25, 0.38
HSL	156°, 47%, 42%
HSV	156°, 64%, 62%
XYZ	16.9005, 26.2390, 20.9989
YIQ	122.2410, -47.3560, -33.8520

Conversions

Conversions Part 2

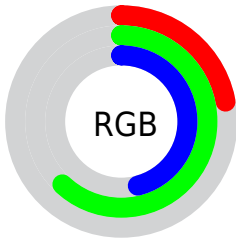
Format	Color
RYB	56, 119, 157
Decimal	3710325
CIELab	58.26, -38.94, 12.49
CIELCh	58, 40.892, 162.217
Yxy	26.2390, 0.2635, 0.4091
Android (android.graphics.Color)	4281900405 (0xFF389D75)
YUV	122.2410, -2.5838, -58.0934
Hunter-Lab	51.2240, -30.7491, 11.5513

Details

The Yxy color **26.2390, 0.2635, 0.4091** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.8482, 0.4301, 0.2676**, and the grayscale version is **19.5705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5289, 0.2747, 0.3906**, and **10.5328, 0.2553, 0.4389** is the 20% darker color. If you saturate the color by 10%, you get **25.7144, 0.2607, 0.4242**, and if you desaturate by 10%, it is **26.9174, 0.2681, 0.3944**.

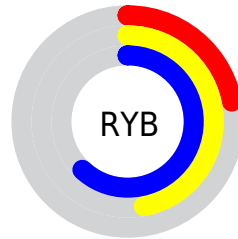
Distribution



Red (22%)

Green (62%)

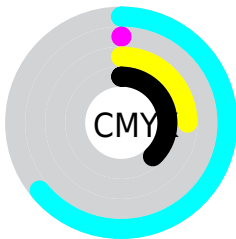
Blue (46%)



Red (22%)

Yellow (47%)

Blue (62%)

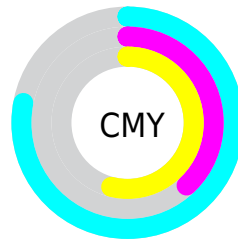


Cyan (64%)

Magenta (0%)

Yellow (25%)

Black (38%)



Cyan (78%)


Magenta (38%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.2390, 0.2635, 0.4091 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 26.2390, 0.2635, 0.4091 by changing the saturation by 10% instead.


 26.2390, 0.2635,
0.4091


 26.2390, 0.2635,
0.4091


283.9533, 0.2913,
0.3632


 17.0025, 0.2552,
0.4230


 53.6603, 0.2745,
0.3908


 10.2363, 0.2437,
0.4427


 72.6138, 0.2784,
0.3844


 5.5559, 0.2265,
0.4725

 95.5752, 0.2815,
0.3792

 2.5770, 0.1983,
0.5226

 122.9288, 0.2842,
0.3749

 0.9151, 0.0000,
0.8816

 155.0591, 0.2864,
0.3713

 0.0000, 0.0000,
0.0000

192.3503, 0.2883,

0.3682

235.1869, 0.2899,
0.3655

■ 26.2390, 0.2635,
0.4091

■ 26.2390, 0.2635,
0.4091

■ 25.7144, 0.2607,
0.4242

■ 26.9174, 0.2681,
0.3944

■ 25.3264, 0.2598,
0.4394

■ 27.7585, 0.2743,
0.3802

■ 25.0591, 0.2609,
0.4543

■ 28.7744, 0.2817,
0.3669

■ 24.9354, 0.2619,
0.4627

■ 29.9750, 0.2901,
0.3546

■ 31.3694, 0.2991,
0.3433

■ 32.9663, 0.3086,
0.3331

■ 34.7736, 0.3182,
0.3239

■ 36.7990, 0.3279,
0.3157

■ 39.0496, 0.3375,
0.3085

Harmonies

Analogous

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



26.2390, 0.3285, 0.4524



26.2390, 0.2635, 0.4091



26.2390, 0.2151, 0.3376

Triad

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



26.2390, 0.2635, 0.4091



26.2390, 0.2294, 0.2227



26.2390, 0.4494, 0.3605

Complementary

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



26.2390, 0.2635, 0.4091



10.8482, 0.4301, 0.2676

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.



26.2390, 0.4181, 0.3091



26.2390, 0.2635, 0.4091



26.2390, 0.2846, 0.2339

Square

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



26.2390, 0.2635, 0.4091



26.2390, 0.1981, 0.2348



26.2390, 0.3548, 0.2645



26.2390, 0.4382, 0.4110

Rectangle

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



26.2390, 0.2635, 0.4091



26.2390, 0.1972, 0.2924



26.2390, 0.3548, 0.2645



26.2390, 0.4436, 0.3430

Sweetspot

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



26.2400, 0.2635, 0.4091



54.8691, 0.2944, 0.3489



26.9101, 0.3356, 0.5119



11.9304, 0.2921, 0.3519



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



26.2400, 0.2635, 0.4091



45.7331, 0.2601, 0.4306



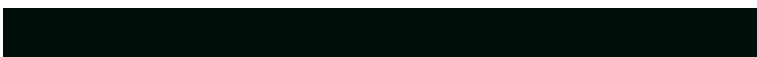
24.1147, 0.2330, 0.3098



7.4649, 0.3038, 0.3380



20.2599, 0.2616, 0.4616



0.3704, 0.2451, 0.4022

Inverse Universe

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



10.8482, 0.4301, 0.2676



15.9722, 0.4722, 0.2629



11.3687, 0.5021, 0.3443



6.6875, 0.3225, 0.3202



6.1133, 0.5343, 0.2717



0.1174, 0.4379, 0.2186

Previews

White Background



This preview shows how the Yxy color 26.2390, 0.2635, 0.4091 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 26.2390, 0.2635, 0.4091 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 26.2390, 0.2635, 0.4091

Background



This preview shows how black text looks on a background with the Yxy color 26.2390, 0.2635, 0.4091.



This preview shows how white text looks on a background with the Yxy color 26.2390, 0.2635, 0.4091.

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

26.2390, 0.2635, 0.4091

Protanopia

25.8438, 0.3557, 0.3806

Deuteranopia

25.8263, 0.3551, 0.3482



Tritanopia

26.1940, 0.2396, 0.3073

Trichromacy



Original Color

26.2390, 0.2635, 0.4091

Protanomaly

25.3503, 0.3138, 0.3934

Deuteranomaly

24.8396, 0.3130, 0.3686

Tritanomaly

26.0511, 0.2480, 0.3420

Monochromacy



Original Color

26.2390, 0.2635, 0.4091

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

21.2807, 0.2880, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2390, 0.2635, 0.4091 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(56, 157, 117)` looks like.

```
.text, #text, p{  
  color:rgb(56, 157, 117)  
}
```

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(56, 157, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 157, 117) }
```

Border

The CSS property to change the border of an element to Yxy 26.2390, 0.2635, 0.4091 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(56, 157, 117) }
```

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

```
.border{ border-color:rgb(56, 157, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 157, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 157, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 157, 117);  
box-shadow:4px 4px 4px 4px rgb(56, 157,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 26.2390, 0.2635, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 157, 117) }
```

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

```
.background{ background-color: rgb(56, 157,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor