

Converting Colors

$Y_{xy}(25.0760, 0.2598, 0.4056)$

Have a look what the booklet for
Yxy(25.0760, 0.2598, 0.4056)
contains.

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Color

Yxy(25.0737, 0.2595, 0.4046)

Conversions

Conversions Part 1

Format	Color
Hex	329A75
RGB	50, 154, 117
RGB Percent	20%, 60%, 46%
CMY	0.8038, 0.3961, 0.5412
CMYK	0.68, 0.00, 0.24, 0.40
HSL	159°, 51%, 40%
HSV	159°, 68%, 60%
XYZ	16.0816, 25.0737, 20.8163
YIQ	118.6860, -50.1070, -33.5550

Conversions

Conversions Part 2

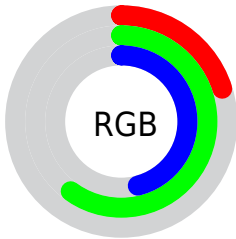
Format	Color
RYB	50, 113, 154
Decimal	3316341
CIELab	57.15, -38.74, 10.90
CIELCh	57, 40.248, 164.286
Yxy	25.0737, 0.2595, 0.4046
Android (android.graphics.Color)	4281506421 (0xFF329A75)
YUV	118.6860, -0.8312, -60.2376
Hunter-Lab	50.0736, -30.3019, 10.4039

Details

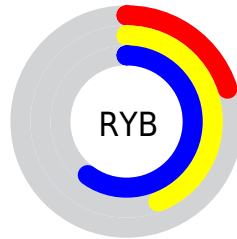
The Yxy color **25.0737, 0.2595, 0.4046** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.8418, 0.4484, 0.2726**, and the grayscale version is **18.3596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7167, 0.2715, 0.3871**, and **9.9324, 0.2533, 0.4319** is the 20% darker color. If you saturate the color by 10%, you get **24.6216, 0.2570, 0.4181**, and if you desaturate by 10%, it is **25.6670, 0.2639, 0.3914**.

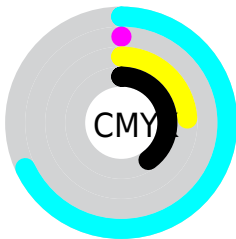
Distribution



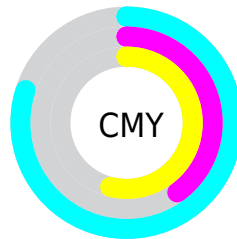
- Red (20%)
- Green (60%)
- Blue (46%)



- Red (20%)
- Yellow (44%)
- Blue (60%)



- Cyan (68%)
- Magenta (0%)
- Yellow (24%)
- Black (40%)




- Cyan (80%)
- Magenta (40%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0737, 0.2595, 0.4046 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 25.0737, 0.2595, 0.4046 by changing the saturation by 10% instead.


 25.0737, 0.2595,
0.4046


 25.0737, 0.2595,
0.4046


278.2048, 0.2896,
0.3611


 16.1320, 0.2506,
0.4179


 51.7768, 0.2714,
0.3872


 9.6176, 0.2381,
0.4367


 70.3069, 0.2756,
0.3811

 5.1462, 0.2195,
0.4654

 92.8019, 0.2790,
0.3763

 2.3333, 0.1892,
0.5141

 119.6463, 0.2818,
0.3722

 0.7912, 0.0000,
0.8884

 151.2244, 0.2842,
0.3688

 0.0000, 0.0000,
0.0000

187.9205, 0.2863,

0.3659

230.1192, 0.2880,
0.3633

■ 25.0737, 0.2595,
0.4046

■ 25.0737, 0.2595,
0.4046

■ 24.6216, 0.2570,
0.4181

■ 25.6670, 0.2639,
0.3914

■ 24.2938, 0.2564,
0.4315

■ 26.4107, 0.2699,
0.3787

■ 24.0673, 0.2575,
0.4449

■ 27.3163, 0.2774,
0.3666

■ 24.0164, 0.2578,
0.4482

■ 28.3936, 0.2859,
0.3553

■ 29.6515, 0.2952,
0.3450

■ 31.0983, 0.3051,
0.3355

■ 32.7418, 0.3153,
0.3270

■ 34.5893, 0.3255,
0.3193

■ 36.6478, 0.3357,
0.3126

Harmonies

Analogous

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



25.0737, 0.3238, 0.4508



25.0737, 0.2595, 0.4046



25.0737, 0.2127, 0.3326

Triad

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



25.0737, 0.2595, 0.4046



25.0737, 0.2325, 0.2229



25.0737, 0.4498, 0.3641

Complementary

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



25.0737, 0.2595, 0.4046



9.8418, 0.4484, 0.2726

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.



25.0737, 0.4215, 0.3125



25.0737, 0.2595, 0.4046



25.0737, 0.2892, 0.2355

Square

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



25.0737, 0.2595, 0.4046



25.0737, 0.1995, 0.2332



25.0737, 0.3596, 0.2672



25.0737, 0.4359, 0.4142

Rectangle

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



25.0737, 0.2595, 0.4046



25.0737, 0.1962, 0.2883



25.0737, 0.3596, 0.2672



25.0737, 0.4451, 0.3466

Sweetspot

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



25.0747, 0.2595, 0.4046



53.1695, 0.2925, 0.3478



25.4244, 0.3322, 0.5224



11.8976, 0.2900, 0.3505



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.



25.0747, 0.2595, 0.4046



44.3948, 0.2564, 0.4250



21.8084, 0.2290, 0.3018



6.9892, 0.3034, 0.3370



19.5730, 0.2575, 0.4471



0.2995, 0.2415, 0.3894

Inverse Universe

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



9.8418, 0.4484, 0.2726



14.7352, 0.4975, 0.2711



10.7544, 0.5115, 0.3497



6.2572, 0.3231, 0.3211



5.8269, 0.5499, 0.2803



0.0936, 0.4464, 0.2233

Previews

White Background



This preview shows how the Yxy color 25.0737, 0.2595, 0.4046 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 25.0737, 0.2595, 0.4046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

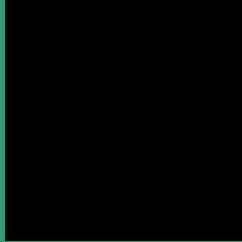
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0737, 0.2595, 0.4046

Background



This preview shows how black text looks on a background with the Yxy color 25.0737, 0.2595, 0.4046.



This preview shows how white text looks on a background with the Yxy color 25.0737, 0.2595, 0.4046.

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

25.0737, 0.2595, 0.4046

Protanopia

24.7108, 0.3533, 0.3765

Deuteranopia

24.6063, 0.3513, 0.3437



Tritanopia

24.9468, 0.2376, 0.3068

Trichromacy



Original Color

25.0737, 0.2595, 0.4046

Protanomaly

24.1076, 0.3088, 0.3894

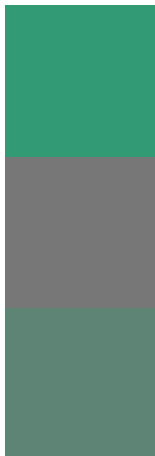
Deuteranomaly

23.6032, 0.3078, 0.3640

Tritanomaly

24.8184, 0.2450, 0.3404

Monochromacy



Original Color

25.0737, 0.2595, 0.4046

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.1902, 0.2855, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0737, 0.2595, 0.4046 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(50, 154, 117)` looks like.

```
.text, #text, p{  
    color:rgb(50, 154, 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(50, 154, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 154, 117) }
```

Border

The CSS property to change the border of an element to Yxy 25.0737, 0.2595, 0.4046 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(50, 154, 117) }
```

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

```
.border{ border-color:rgb(50, 154, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 154, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(50, 154, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(50, 154, 117); box-shadow:4px 4px 4px 4px rgb(50, 154, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0737, 0.2595, 0.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 154, 117) }
```

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

```
.background{ background-color: rgb(50, 154,  
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](#).

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