

Converting Colors

$Y_{xy}(25.4746, 0.2368, 0.3105)$

Have a look what the booklet for
Yxy(25.4746, 0.2368, 0.3105)
contains.

Yxy(25.4746, 0.2368, 0.3105)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.4746, 0.2368, 0.3105)$

Conversions

Conversions Part 1

Format	Color
Hex	4196A0
RGB	65, 150, 160
RGB Percent	25%, 59%, 63%
CMY	0.7452, 0.4117, 0.3726
CMYK	0.59, 0.06, 0.00, 0.37
HSL	186°, 42%, 44%
HSV	186°, 59%, 63%
XYZ	19.4280, 25.4746, 37.1412
YIQ	125.7250, -53.8700, -14.9100

Conversions

Conversions Part 2

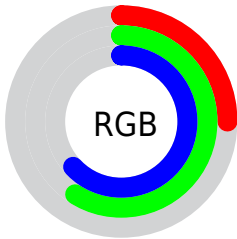
Format	Color
R _Y B	65, 110, 160
Decimal	4298400
CIE Lab	57.53, -22.43, -12.96
CIE LCh	58, 25.903, 210.017
Yxy	25.4746, 0.2368, 0.3105
Android (android.graphics.Color)	4282488480 (0xFF4196A0)
YUV	125.7250, 16.8976, -53.2558
Hunter-Lab	50.4724, -19.6179, -8.2992

Details

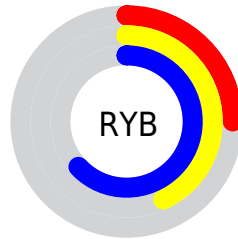
The Yxy color **25.4746, 0.2368, 0.3105** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.8759, 0.4806, 0.3446**, and the grayscale version is **20.7181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2296, 0.2519, 0.3141**, and **10.0278, 0.2171, 0.3014** is the 20% darker color. If you saturate the color by 10%, you get **24.4731, 0.2289, 0.3069**, and if you desaturate by 10%, it is **26.6403, 0.2465, 0.3140**.

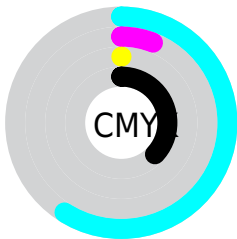
Distribution



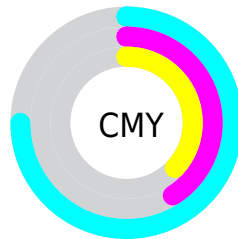
- Red (25%)
- Green (59%)
- Blue (63%)



- Red (25%)
- Yellow (43%)
- Blue (63%)



- Cyan (59%)
- Magenta (6%)
- Yellow (0%)
- Black (37%)




- Cyan (75%)
- Magenta (41%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4746, 0.2368, 0.3105 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 25.4746, 0.2368, 0.3105 by changing the saturation by 10% instead.


 25.4746, 0.2368,
0.3105


 25.4746, 0.2368,
0.3105


280.1933, 0.2775,
0.3217


 16.4310, 0.2257,
0.3069


 52.4261, 0.2522,
0.3151


 9.8297, 0.2110,
0.3017


 71.1028, 0.2579,
0.3167

 5.2862, 0.1906,
0.2937

 93.7594, 0.2625,
0.3179

 2.4161, 0.1605,
0.2801

 120.7801, 0.2664,
0.3190

 0.8342, 0.0774,
0.2633

 152.5495, 0.2698,
0.3198

 0.0000, 0.0000,
0.0000

189.4519, 0.2727,

0.3205

231.8717, 0.2753,
0.3212

■ 25.4746, 0.2368,
0.3105

■ 25.4746, 0.2368,
0.3105

■ 24.4731, 0.2289,
0.3069

■ 26.6403, 0.2465,
0.3140

■ 23.6194, 0.2228,
0.3034

■ 27.9792, 0.2577,
0.3174

■ 22.8988, 0.2186,
0.2998

■ 29.5031, 0.2704,
0.3206

■ 22.2770, 0.2157,
0.2963

■ 31.2217, 0.2841,
0.3237

■ 22.2401, 0.2156,
0.2961

■ 33.1443, 0.2986,
0.3265

■ 35.2794, 0.3136,
0.3292

■ 37.6349, 0.3289,
0.3315

■ 40.2186, 0.3443,
0.3337

■ 43.0376, 0.3594,
0.3355

Harmonies

Analogous

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



25.4746, 0.2605, 0.3540



25.4746, 0.2368, 0.3105



25.4746, 0.2321, 0.2767

Triad

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



25.4746, 0.2368, 0.3105



25.4746, 0.3220, 0.2759



25.4746, 0.3803, 0.4002

Complementary

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



25.4746, 0.2368, 0.3105



12.8759, 0.4806, 0.3446

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.



25.4746, 0.4001, 0.3733



25.4746, 0.2368, 0.3105



25.4746, 0.3655, 0.3038

Square

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



25.4746, 0.2368, 0.3105



25.4746, 0.2786, 0.2600



25.4746, 0.3949, 0.3384



25.4746, 0.3429, 0.4089

Rectangle

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



25.4746, 0.2368, 0.3105



25.4746, 0.2398, 0.2633



25.4746, 0.3949, 0.3384



25.4746, 0.3894, 0.3927

Sweetspot

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



25.4756, 0.2368, 0.3105



57.0529, 0.2856, 0.3240



26.7580, 0.2982, 0.4989



12.3139, 0.2817, 0.3232



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



25.4756, 0.2368, 0.3105



43.9597, 0.2269, 0.3059



13.3544, 0.2162, 0.2159



7.3905, 0.2988, 0.3266



17.3672, 0.2157, 0.2964



0.3413, 0.2196, 0.3105

Inverse Universe

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



13.4502, 0.3335, 0.2049



20.7425, 0.3387, 0.1866



21.7652, 0.4293, 0.4171



6.7426, 0.3153, 0.3092



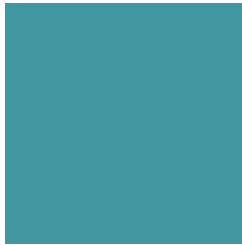
7.3754, 0.3486, 0.1694



0.1350, 0.3363, 0.1626

Previews

White Background



This preview shows how the Yxy color 25.4746, 0.2368, 0.3105 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 25.4746, 0.2368, 0.3105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

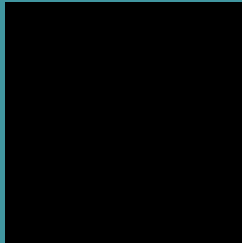
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4746, 0.2368, 0.3105

Background



This preview shows how black text looks on a background with the Yxy color 25.4746, 0.2368, 0.3105.

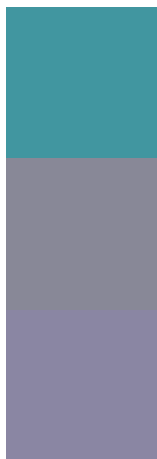


This preview shows how white text looks on a background with the Yxy color 25.4746, 0.2368, 0.3105.

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

25.4746, 0.2368, 0.3105

Protanopia

25.0769, 0.2977, 0.3042

Deuteranopia

25.0978, 0.2883, 0.2824



Tritanopia

25.5796, 0.2361, 0.3069

Trichromacy



Original Color

25.4746, 0.2368, 0.3105

Protanomaly

24.6978, 0.2701, 0.3061

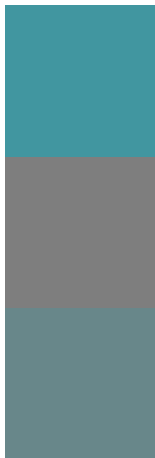
Deuteranomaly

24.7443, 0.2643, 0.2912

Tritanomaly

25.5442, 0.2367, 0.3087

Monochromacy



Original Color

25.4746, 0.2368, 0.3105

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.1060, 0.2773, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4746, 0.2368, 0.3105 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(65, 150, 160)` looks like.

```
.text, #text, p{  
    color:rgb(65, 150, 160)  
}
```

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(65, 150, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 150, 160) }
```

Border

The CSS property to change the border of an element to Yxy 25.4746, 0.2368, 0.3105 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(65, 150, 160) }
```

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

```
.border{ border-color:rgb(65, 150, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 150, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 150, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 150, 160);  
box-shadow:4px 4px 4px 4px rgb(65, 150,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4746, 0.2368, 0.3105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 150, 160) }
```

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

```
.background{ background-color: rgb(65, 150,  
160) }
```

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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