

Converting Colors

$Y_{xy}(24.8527, 0.2643, 0.3755)$

Have a look what the booklet for
Yxy(24.8527, 0.2643, 0.3755)
contains.

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Color

$\text{Yxy}(24.7615, 0.2642, 0.3741)$

Conversions

Conversions Part 1

Format	Color
Hex	49967F
RGB	73, 150, 127
RGB Percent	29%, 59%, 50%
CMY	0.7136, 0.4118, 0.5019
CMYK	0.51, 0.00, 0.15, 0.41
HSL	162°, 35%, 44%
HSV	162°, 51%, 59%
XYZ	17.4873, 24.7615, 23.9407
YIQ	124.3550, -38.5090, -23.4770

Conversions

Conversions Part 2

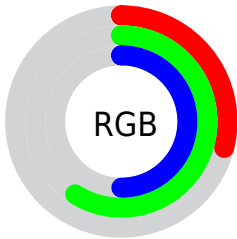
Format	Color
RYB	73, 118, 150
Decimal	4822655
CIELab	56.84, -29.60, 4.88
CIElCh	57, 29.995, 170.643
Yxy	24.7615, 0.2642, 0.3741
Android (android.graphics.Color)	4283012735 (0xFF49967F)
YUV	124.3550, 1.3040, -45.0383
Hunter-Lab	49.7609, -24.3521, 6.3073

Details

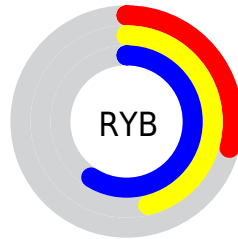
The Yxy color **24.7615, 0.2642, 0.3741** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.0984, 0.4097, 0.2903**, and the grayscale version is **20.2893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4700, 0.2746, 0.3641**, and **9.5383, 0.2460, 0.3936** is the 20% darker color. If you saturate the color by 10%, you get **24.1310, 0.2583, 0.3847**, and if you desaturate by 10%, it is **25.5405, 0.2717, 0.3639**.

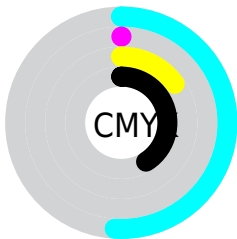
Distribution



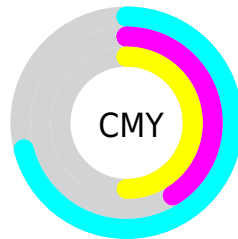
- Red (29%)
- Green (59%)
- Blue (50%)



- Red (29%)
- Yellow (46%)
- Blue (59%)



- Cyan (51%)
- Magenta (0%)
- Yellow (15%)
- Black (41%)





- Cyan (71%)
- Magenta (41%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7615, 0.2642, 0.3741 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 24.7615, 0.2642, 0.3741 by changing the saturation by 10% instead.


 24.7615, 0.2642,
0.3741


 24.7615, 0.2642,
0.3741


276.6481, 0.2912,
0.3486


 15.8995, 0.2564,
0.3817


 51.2700, 0.2748,
0.3640


 9.4530, 0.2456,
0.3923


 69.6853, 0.2785,
0.3605


 5.0378, 0.2297,
0.4082

 92.0538, 0.2816,
0.3576

 2.2695, 0.2044,
0.4345

 118.7599, 0.2841,
0.3552

 0.7575, 0.0000,
0.6102

 150.1880, 0.2863,
0.3532

 0.0000, 0.0000,
0.0000

186.7224, 0.2882,

0.3515

228.7477, 0.2898,
0.3500

■ 24.7615, 0.2642,
0.3741

■ 24.7615, 0.2642,
0.3741

■ 24.1310, 0.2583,
0.3847

■ 25.5405, 0.2717,
0.3639

■ 23.6357, 0.2541,
0.3957

■ 26.4744, 0.2804,
0.3544

■ 23.2646, 0.2518,
0.4068

■ 27.5728, 0.2901,
0.3455

■ 23.0040, 0.2514,
0.4179

■ 28.8435, 0.3004,
0.3373

■ 22.8361, 0.2521,
0.4275

■ 30.2941, 0.3113,
0.3299

■ 31.9315, 0.3223,
0.3233

■ 33.7623, 0.3334,
0.3173

■ 35.7928, 0.3444,
0.3120

■ 38.0289, 0.3551,
0.3074

Harmonies

Analogous

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



24.7615, 0.3120, 0.4132



24.7615, 0.2642, 0.3741



24.7615, 0.2311, 0.3220

Triad

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



24.7615, 0.2642, 0.3741



24.7615, 0.2596, 0.2473



24.7615, 0.4163, 0.3671

Complementary

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



24.7615, 0.2642, 0.3741



12.0984, 0.4097, 0.2903

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.



24.7615, 0.4009, 0.3262



24.7615, 0.2642, 0.3741



24.7615, 0.3066, 0.2605

Square

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



24.7615, 0.2642, 0.3741



24.7615, 0.2289, 0.2525



24.7615, 0.3593, 0.2885



24.7615, 0.4011, 0.4030

Rectangle

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



24.7615, 0.2642, 0.3741



24.7615, 0.2206, 0.2908



24.7615, 0.3593, 0.2885



24.7615, 0.4146, 0.3536

Sweetspot

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



24.7625, 0.2642, 0.3741



49.9728, 0.2962, 0.3405



24.7870, 0.3263, 0.4773



10.9802, 0.2943, 0.3420



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.



24.7625, 0.2642, 0.3741



42.4021, 0.2573, 0.3868



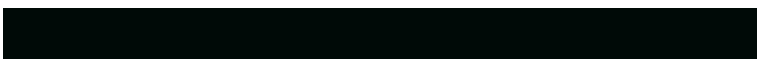
20.8378, 0.2420, 0.2990



6.5330, 0.3027, 0.3357



18.9462, 0.2519, 0.4267



0.2371, 0.2378, 0.3762

Inverse Universe

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



12.0984, 0.4097, 0.2903



17.4086, 0.4468, 0.2837



14.0152, 0.4390, 0.3555



5.8422, 0.3238, 0.3224



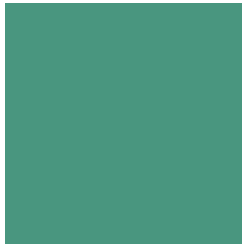
5.5387, 0.5708, 0.2918



0.0725, 0.4646, 0.2333

Previews

White Background



This preview shows how the Yxy color 24.7615, 0.2642, 0.3741 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 24.7615, 0.2642, 0.3741 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 24.7615, 0.2642, 0.3741

Background



This preview shows how black text looks on a background with the Yxy color 24.7615, 0.2642, 0.3741.



This preview shows how white text looks on a background with the Yxy color 24.7615, 0.2642, 0.3741.

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

24.7615, 0.2642, 0.3741

Protanopia

24.4106, 0.3379, 0.3563

Deuteranopia

24.3553, 0.3349, 0.3291



Tritanopia

24.7859, 0.2472, 0.3088

Trichromacy



Original Color

24.7615, 0.2642, 0.3741

Protanomaly

23.9432, 0.3058, 0.3620

Deuteranomaly

23.9262, 0.3034, 0.3433

Tritanomaly

24.6050, 0.2533, 0.3307

Monochromacy



Original Color

24.7615, 0.2642, 0.3741

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.2590, 0.2902, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7615, 0.2642, 0.3741 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(73, 150, 127)` looks like.

```
.text, #text, p{  
    color:rgb(73, 150, 127)  
}
```

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(73, 150, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 150, 127) }
```

Border

The CSS property to change the border of an element to Yxy 24.7615, 0.2642, 0.3741 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(73, 150, 127) }
```

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

```
.border{ border-color:rgb(73, 150, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 150, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(73, 150, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(73, 150, 127); box-shadow:4px 4px 4px 4px rgb(73, 150, 127) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7615, 0.2642, 0.3741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 150, 127) }
```

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

```
.background{ background-color: rgb(73, 150,  
127) }
```

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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