

Converting Colors

$Y_{xy}(24.9762, 0.2650, 0.3922)$

Have a look what the booklet for
Yxy(24.9762, 0.2650, 0.3922)
contains.

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Color

$Y_{xy}(24.9708, 0.2654, 0.3930)$

Conversions

Conversions Part 1

Format	Color
Hex	429878
RGB	66, 152, 120
RGB Percent	26%, 60%, 47%
CMY	0.7414, 0.4039, 0.5294
CMYK	0.57, 0.00, 0.21, 0.40
HSL	158°, 39%, 43%
HSV	158°, 57%, 60%
XYZ	16.8632, 24.9708, 21.7049
YIQ	122.6380, -40.9840, -28.1840

Conversions

Conversions Part 2

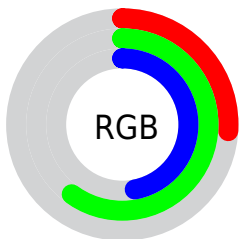
Format	Color
RYB	66, 119, 152
Decimal	4364408
CIELab	57.05, -33.90, 9.11
CIElCh	57, 35.105, 164.958
Yxy	24.9708, 0.2654, 0.3930
Android (android.graphics.Color)	4282554488 (0xFF429878)
YUV	122.6380, -1.3005, -49.6715
Hunter-Lab	49.9708, -27.2120, 9.2268

Details

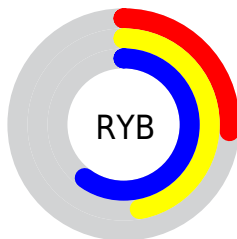
The Yxy color **24.9708, 0.2654, 0.3930** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.4474, 0.4130, 0.2765**, and the grayscale version is **19.6930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6692, 0.2761, 0.3790**, and **9.5822, 0.2491, 0.4168** is the 20% darker color. If you saturate the color by 10%, you get **24.3794, 0.2610, 0.4068**, and if you desaturate by 10%, it is **25.7126, 0.2714, 0.3797**.

Distribution



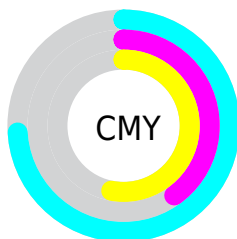
- Red (26%)
- Green (60%)
- Blue (47%)



- Red (26%)
- Yellow (47%)
- Blue (60%)



- Cyan (57%)
- Magenta (0%)
- Yellow (21%)
- Black (40%)





- Cyan (74%)
- Magenta (40%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9708, 0.2654, 0.3930 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 24.9708, 0.2654, 0.3930 by changing the saturation by 10% instead.


 24.9708, 0.2654,
0.3930


 24.9708, 0.2654,
0.3930


277.6925, 0.2921,
0.3564


 16.0553, 0.2575,
0.4041


 51.6098, 0.2759,
0.3784

 9.5633, 0.2465,
0.4198


 70.1022, 0.2796,
0.3733


 5.1104, 0.2302,
0.4437

 92.5556, 0.2826,
0.3692

 2.3122, 0.2035,
0.4840

 119.3545, 0.2851,
0.3658

 0.7801, 0.0000,
0.7859

 150.8832, 0.2873,
0.3629

 0.0000, 0.0000,
0.0000

187.5262, 0.2891,

0.3604

229.6678, 0.2907,
0.3583

■ 24.9708, 0.2654,
0.3930

■ 24.9708, 0.2654,
0.3930

■ 24.3794, 0.2610,
0.4068

■ 25.7126, 0.2714,
0.3797

■ 23.9238, 0.2584,
0.4209

■ 26.6120, 0.2788,
0.3672

■ 23.5918, 0.2577,
0.4350

■ 27.6795, 0.2873,
0.3555

■ 23.3628, 0.2588,
0.4489

■ 28.9235, 0.2965,
0.3447

■ 23.2942, 0.2593,
0.4536

■ 30.3522, 0.3061,
0.3349

■ 31.9729, 0.3161,
0.3261

■ 33.7928, 0.3261,
0.3183

■ 35.8186, 0.3361,
0.3113

■ 38.0566, 0.3458,
0.3051

Harmonies

Analogous

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



24.9708, 0.3222, 0.4336



24.9708, 0.2654, 0.3930



24.9708, 0.2239, 0.3315

Triad

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



24.9708, 0.2654, 0.3930



24.9708, 0.2428, 0.2347



24.9708, 0.4329, 0.3626

Complementary

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



24.9708, 0.2654, 0.3930



11.4474, 0.4130, 0.2765

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.



24.9708, 0.4085, 0.3162



24.9708, 0.2654, 0.3930



24.9708, 0.2938, 0.2462

Square

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



24.9708, 0.2654, 0.3930



24.9708, 0.2125, 0.2441



24.9708, 0.3554, 0.2752



24.9708, 0.4208, 0.4064

Rectangle

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



24.9708, 0.2654, 0.3930



24.9708, 0.2090, 0.2931



24.9708, 0.3554, 0.2752



24.9708, 0.4288, 0.3470

Sweetspot

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



24.9718, 0.2654, 0.3930



50.8796, 0.2958, 0.3455



25.5008, 0.3336, 0.4904



11.4693, 0.2941, 0.3473



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.9718, 0.2654, 0.3930



42.7868, 0.2601, 0.4106



22.7600, 0.2391, 0.3096



6.9876, 0.3036, 0.3374



19.5358, 0.2591, 0.4527



0.2991, 0.2424, 0.3926

Inverse Universe

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



11.4474, 0.4130, 0.2765



16.4995, 0.4500, 0.2693



12.2363, 0.4667, 0.3458



6.2588, 0.3228, 0.3208



5.8464, 0.5437, 0.2769



0.0941, 0.4413, 0.2205

Previews

White Background



This preview shows how the Yxy color 24.9708, 0.2654, 0.3930 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 24.9708, 0.2654, 0.3930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

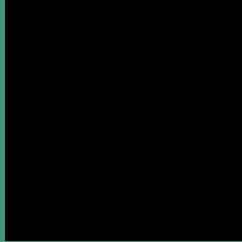
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9708, 0.2654, 0.3930

Background



This preview shows how black text looks on a background with the Yxy color 24.9708, 0.2654, 0.3930.



This preview shows how white text looks on a background with the Yxy color 24.9708, 0.2654, 0.3930.

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

24.9708, 0.2654, 0.3930

Protanopia

24.7075, 0.3477, 0.3698

Deuteranopia

24.4856, 0.3454, 0.3389



Tritanopia

24.9903, 0.2436, 0.3070

Trichromacy



Original Color

24.9708, 0.2654, 0.3930

Protanomaly

24.2968, 0.3114, 0.3789

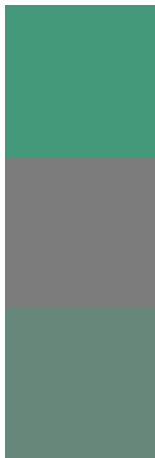
Deuteranomaly

23.9602, 0.3092, 0.3580

Tritanomaly

24.9951, 0.2514, 0.3364

Monochromacy



Original Color

24.9708, 0.2654, 0.3930

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.2801, 0.2901, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9708, 0.2654, 0.3930 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(66, 152, 120)` looks like.

```
.text, #text, p{  
    color:rgb(66, 152, 120)  
}
```

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(66, 152, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 152, 120) }
```

Border

The CSS property to change the border of an element to Yxy 24.9708, 0.2654, 0.3930 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(66, 152, 120) }
```

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

```
.border{ border-color:rgb(66, 152, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 152, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 152, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 152, 120);  
box-shadow:4px 4px 4px 4px rgb(66, 152,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9708, 0.2654, 0.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 152, 120) }
```

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

```
.background{ background-color: rgb(66, 152,  
120) }
```

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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