

Converting Colors

$Y_{xy}(24.2782, 0.2531, 0.4027)$

Have a look what the booklet for
Yxy(24.2782, 0.2531, 0.4027)
contains.

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Color

$\text{Yxy}(24.1159, 0.2529, 0.4021)$

Conversions

Conversions Part 1

Format	Color
Hex	249875
RGB	36, 152, 117
RGB Percent	14%, 60%, 46%
CMY	0.8588, 0.4039, 0.5411
CMYK	0.76, 0.00, 0.23, 0.40
HSL	162°, 62%, 37%
HSV	162°, 76%, 60%
XYZ	15.1676, 24.1159, 20.6913
YIQ	113.3260, -57.9010, -35.4770

Conversions

Conversions Part 2

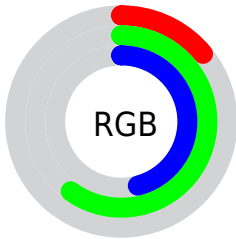
Format	Color
R_{YB}	36, 104, 152
Decimal	2398325
CIE _{Lab}	56.20, -40.02, 9.50
CIE _{LCh}	56, 41.131, 166.640
Yxy	24.1159, 0.2529, 0.4021
Android (android.graphics.Color)	4280588405 (0xFF249875)
YUV	113.3260, 1.8113, -67.8149
Hunter-Lab	49.1079, -30.8068, 9.3941

Details

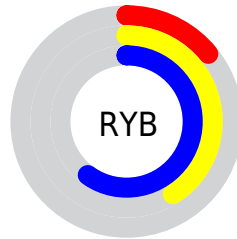
The Yxy color **24.1159, 0.2529, 0.4021** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.3923, 0.4920, 0.2806**, and the grayscale version is **16.6240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1995, 0.2665, 0.3852**, and **9.5440, 0.2520, 0.4270** is the 20% darker color. If you saturate the color by 10%, you get **23.7938, 0.2516, 0.4134**, and if you desaturate by 10%, it is **24.5613, 0.2561, 0.3909**.

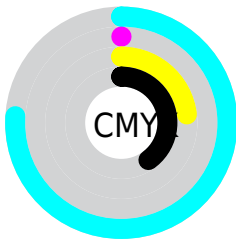
Distribution



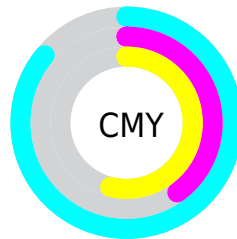
- Red (14%)
- Green (60%)
- Blue (46%)



- Red (14%)
- Yellow (41%)
- Blue (60%)



- Cyan (76%)
- Magenta (0%)
- Yellow (23%)
- Black (40%)





- Cyan (86%)
- Magenta (40%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1159, 0.2529, 0.4021 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 24.1159, 0.2529, 0.4021 by changing the saturation by 10% instead.


 24.1159, 0.2529,
0.4021


 24.1159, 0.2529,
0.4021


273.4059, 0.2867,
0.3600


 15.4196, 0.2429,
0.4150


 50.2193, 0.2663,
0.3852

 9.1144, 0.2289,
0.4334


 68.3951, 0.2709,
0.3793

 4.8159, 0.2082,
0.4616

 90.4997, 0.2748,
0.3746

 2.1396, 0.1736,
0.5101

 116.9172, 0.2779,
0.3707

 0.6868, 0.0000,
0.8918

 148.0323, 0.2806,
0.3674

 0.0000, 0.0000,
0.0000

 184.2291, 0.2829,

0.3645

225.8922, 0.2849,
0.3621

■ 24.1159, 0.2529,
0.4021

■ 24.1159, 0.2529,
0.4021

■ 23.7938, 0.2516,
0.4134

■ 24.5613, 0.2561,
0.3909

■ 23.5726, 0.2521,
0.4245

■ 25.1404, 0.2612,
0.3800

■ 23.5009, 0.2524,
0.4286

■ 25.8656, 0.2679,
0.3694

■ 26.7469, 0.2760,
0.3594

■ 27.7936, 0.2852,
0.3501

■ 29.0143, 0.2952,
0.3414

■ 30.4169, 0.3058,
0.3336

■ 32.0088, 0.3168,
0.3265

■ 33.7971, 0.3278,
0.3201

Harmonies

Analogous

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



24.1159, 0.3183, 0.4535



24.1159, 0.2529, 0.4021



24.1159, 0.2068, 0.3267

Triad

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



24.1159, 0.2529, 0.4021



24.1159, 0.2337, 0.2199



24.1159, 0.4550, 0.3689

Complementary

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



24.1159, 0.2529, 0.4021



8.3923, 0.4920, 0.2806

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.



24.1159, 0.4291, 0.3157



24.1159, 0.2529, 0.4021



24.1159, 0.2937, 0.2346

Square

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



24.1159, 0.2529, 0.4021



24.1159, 0.1978, 0.2284



24.1159, 0.3669, 0.2685



24.1159, 0.4370, 0.4201

Rectangle

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



24.1159, 0.2529, 0.4021



24.1159, 0.1914, 0.2819



24.1159, 0.3669, 0.2685



24.1159, 0.4513, 0.3509

Sweetspot

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



24.1168, 0.2529, 0.4021



49.6431, 0.2880, 0.3475



23.9904, 0.3258, 0.5476



11.1280, 0.2847, 0.3505



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.



24.1168, 0.2529, 0.4021



41.6948, 0.2518, 0.4217



18.8037, 0.2198, 0.2855



6.9948, 0.3027, 0.3358



19.7103, 0.2522, 0.4279



0.3010, 0.2386, 0.3789

Inverse Universe

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



8.3923, 0.4920, 0.2806



12.5892, 0.5524, 0.2880



9.7560, 0.5406, 0.3577



6.2518, 0.3239, 0.3223



5.7665, 0.5702, 0.2915



0.0921, 0.4654, 0.2338

Previews

White Background



This preview shows how the Yxy color 24.1159, 0.2529, 0.4021 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 24.1159, 0.2529, 0.4021 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 24.1159, 0.2529, 0.4021

Background



This preview shows how black text looks on a background with the Yxy color 24.1159, 0.2529, 0.4021.

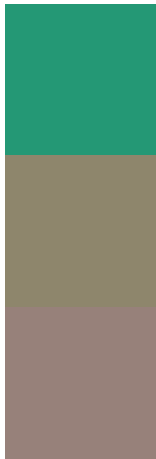


This preview shows how white text looks on a background with the Yxy color 24.1159, 0.2529, 0.4021.

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

24.1159, 0.2529, 0.4021

Protanopia

23.8837, 0.3504, 0.3738

Deuteranopia

23.6850, 0.3470, 0.3407



Tritanopia

23.9259, 0.2329, 0.3062

Trichromacy



Original Color

24.1159, 0.2529, 0.4021

Protanomaly

23.0810, 0.3017, 0.3872

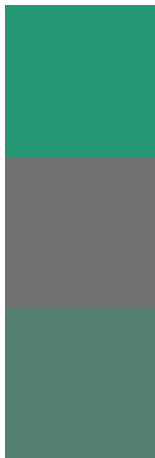
Deuteranomaly

22.4986, 0.2994, 0.3613

Tritanomaly

23.8411, 0.2395, 0.3386

Monochromacy



Original Color

24.1159, 0.2529, 0.4021

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

18.3249, 0.2796, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1159, 0.2529, 0.4021 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(36, 152, 117)` looks like.

```
.text, #text, p{  
    color:rgb(36, 152, 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(36, 152, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 152, 117) }
```

Border

The CSS property to change the border of an element to Yxy 24.1159, 0.2529, 0.4021 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(36, 152, 117) }
```

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

```
.border{ border-color:rgb(36, 152, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 152, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 152, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 152, 117);  
box-shadow:4px 4px 4px 4px rgb(36, 152,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1159, 0.2529, 0.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 152, 117) }
```

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

```
.background{ background-color: rgb(36, 152,  
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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