

Converting Colors

$Yxy(40.2064, 0.3024, 0.5488)$

Have a look what the booklet for
Yxy(40.2064, 0.3024, 0.5488)
contains.

| | |
|--|----|
| Yxy(40.3171, 0.3024, 0.5493) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(40.3171, 0.3024, 0.5493)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 3CC33C |
| RGB | 60, 195, 60 |
| RGB Percent | 24%, 76%, 24% |
| CMY | 0.7646, 0.2353, 0.7648 |
| CMYK | 0.69, 0.00, 0.69, 0.24 |
| HSL | 120°, 53%, 50% |
| HSV | 120°, 69%, 76% |
| XYZ | 22.1953, 40.3171, 10.8848 |
| YIQ | 139.2450, -37.1250, -70.6050 |

Conversions

Conversions Part 2

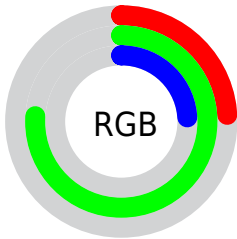
| Format | Color |
|-------------------------------------|--|
| RYB | 60, 195, 195 |
| Decimal | 3982140 |
| CIELab | 69.69, -61.47, 54.93 |
| CIELCh | 70, 82.438, 138.218 |
| Yxy | 40.3171, 0.3024, 0.5493 |
| Android (android.graphics.Color) | 4282172220 (0xFF3CC33C) |
| YUV | 139.2450, -39.0678, -69.4979 |
| Hunter-Lab | 63.4957, -48.7218, 34.2832 |

Details

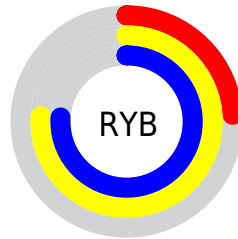
The Yxy color **40.3171, 0.3024, 0.5493** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **18.7669, 0.3198, 0.1767**, and the grayscale version is **26.0862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8254, 0.3097, 0.5037**, and **18.7562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.6495, 0.3012, 0.5741**, and if you desaturate by 10%, it is **41.2876, 0.3039, 0.5181**.

Distribution



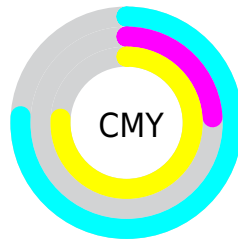
- Red (24%)
- Green (76%)
- Blue (24%)



- Red (24%)
- Yellow (76%)
- Blue (76%)



- Cyan (69%)
- Magenta (0%)
- Yellow (69%)
- Black (24%)





- Cyan (76%)
- Magenta (24%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3171, 0.3024, 0.5493 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 40.3171, 0.3024, 0.5493 by changing the saturation by 10% instead.


 40.3171, 0.3024,
0.5493


 40.3171, 0.3024,
0.5493


347.4583, 0.3158,
0.4283


 27.7859, 0.2955,
0.5815


 75.6461, 0.3097,
0.5034

 18.1643, 0.2842,
0.6231


 99.2127, 0.3117,
0.4867


 11.0680, 0.2650,
0.6772


 127.2266, 0.3131,
0.4727

 6.1126, 0.2363,
0.7637

 160.0721, 0.3140,
0.4610

 2.9137, 0.1640,
0.8360

 198.1336, 0.3147,
0.4510

 1.0868, 0.0000,
1.0000

241.7955, 0.3152,

 0.0000, 0.0000,

0.4424

0.0000

291.4423, 0.3155,
0.4349

■ 40.3171, 0.3024,
0.5493

■ 40.3171, 0.3024,
0.5493

■ 39.6495, 0.3012,
0.5741

■ 41.2876, 0.3039,
0.5181

■ 39.2450, 0.3004,
0.5907

■ 42.5854, 0.3055,
0.4834


■ 39.0442, 0.3000,
0.5994

■ 44.2383, 0.3072,
0.4476


■ 39.0314, 0.3000,
0.6000

■ 46.2695, 0.3088,
0.4131

■ 48.7006, 0.3103,
0.3811

 51.5514, 0.3116,
0.3524

 54.8402, 0.3128,
0.3272

 58.5845, 0.3138,
0.3053

 62.8007, 0.3147,
0.2864

Harmonies

Analogous

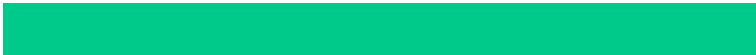
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.3171, 0.4074, 0.5324



40.3171, 0.3024, 0.5493



40.3171, 0.2052, 0.4522

Triad

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



40.3171, 0.3024, 0.5493



40.3171, 0.1412, 0.1709



40.3171, 0.5120, 0.3026

Complementary

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



40.3171, 0.3024, 0.5493



18.7669, 0.3198, 0.1767

Split Complementary

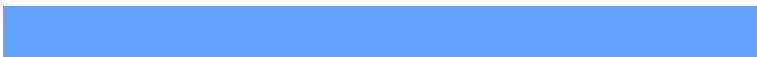
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.3171, 0.4070, 0.2367



40.3171, 0.3024, 0.5493



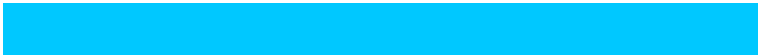
40.3171, 0.1919, 0.1649

Square

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



40.3171, 0.3024, 0.5493



40.3171, 0.1253, 0.2138



40.3171, 0.2836, 0.1880



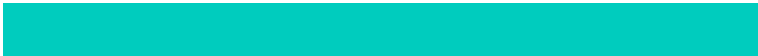
40.3171, 0.5421, 0.3763

Rectangle

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



40.3171, 0.3024, 0.5493



40.3171, 0.1594, 0.3546



40.3171, 0.2836, 0.1880



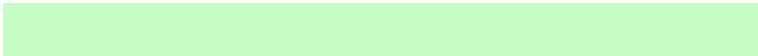
40.3171, 0.4834, 0.2795

Sweetspot

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



40.3188, 0.3024, 0.5493



86.2518, 0.3100, 0.3876



49.9586, 0.4072, 0.4805



18.6129, 0.3096, 0.3964



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



40.3188, 0.3024, 0.5493



70.5909, 0.3008, 0.5836



41.4782, 0.2706, 0.4472



11.2590, 0.3116, 0.3528



25.3679, 0.3000, 0.6000



1.0961, 0.3000, 0.6000

Inverse Universe

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



18.7669, 0.3198, 0.1767



29.5448, 0.3205, 0.1611



16.4376, 0.4181, 0.2443



10.2474, 0.3138, 0.3063



10.0960, 0.3208, 0.1541



0.4363, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 40.3171, 0.3024, 0.5493 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 40.3171, 0.3024, 0.5493 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 ✓ Pass

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

Yxy 40.3171, 0.3024, 0.5493

Background



This preview shows how black text looks on a background with the Yxy color 40.3171, 0.3024, 0.5493.



This preview shows how white text looks on a background with the Yxy color 40.3171, 0.3024, 0.5493.

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

40.3171, 0.3024, 0.5493

Protanopia

39.4518, 0.4246, 0.4676

Deuteranopia

39.5129, 0.4401, 0.4325



Tritanopia

40.0285, 0.2429, 0.3064

Trichromacy



Original Color

40.3171, 0.3024, 0.5493



Protanomaly

37.8771, 0.3693, 0.5033



Deuteranomaly

37.2731, 0.3788, 0.4786



Tritanomaly

39.5320, 0.2668, 0.3951

Monochromacy



Original Color

40.3171, 0.3024, 0.5493



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.2371, 0.3086, 0.4169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3171, 0.3024, 0.5493 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(60, 195, 60)` looks like.

```
.text, #text, p{  
    color:rgb(60, 195, 60)  
}
```

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(60, 195, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 195, 60) }
```

Border

The CSS property to change the border of an element to Yxy 40.3171, 0.3024, 0.5493 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(60, 195, 60) }
```

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

```
.border{ border-color:rgb(60, 195, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 195, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 195, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 195, 60);  
box-shadow:4px 4px 4px 4px rgb(60, 195,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3171, 0.3024, 0.5493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 195, 60) }
```

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

```
.background{ background-color: rgb(60, 195,  
60) }
```

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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