

Converting Colors

$Yxy(25.7240, 0.3308, 0.5402)$

Have a look what the booklet for
 $\text{Yxy}(25.7240, 0.3308, 0.5402)$
contains.

$\text{Yxy}(25.7240, 0.3308, 0.5402)$	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(25.7240, 0.3308, 0.5402)

Conversions

Conversions Part 1

Format	Color
Hex	529C28
RGB	82, 156, 40
RGB Percent	32%, 61%, 16%
CMY	0.6784, 0.3882, 0.8431
CMYK	0.47, 0.00, 0.74, 0.39
HSL	98°, 59%, 38%
HSV	98°, 74%, 61%
XYZ	15.7525, 25.7240, 6.1429
YIQ	120.6500, -6.8680, -51.7640

Conversions

Conversions Part 2

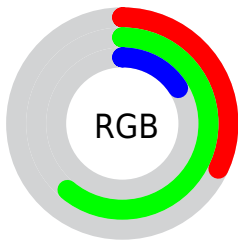
Format	Color
R_{YB}	40, 156, 114
Decimal	5413928
CIE _{Lab}	57.77, -43.35, 50.49
CIE _{LCh}	58, 66.544, 130.646
Yxy	25.7240, 0.3308, 0.5402
Android (android.graphics.Color)	4283604008 (0xFF529C28)
YUV	120.6500, -39.7604, -33.8960
Hunter-Lab	50.7188, -33.3186, 28.3222

Details

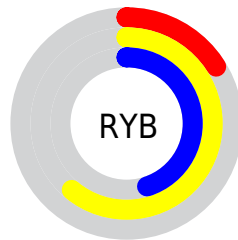
The Yxy color **25.7240, 0.3308, 0.5402** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.4953, 0.2567, 0.1404**, and the grayscale version is **19.1362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7821, 0.3335, 0.4924**, and **10.0391, 0.3084, 0.5933** is the 20% darker color. If you saturate the color by 10%, you get **25.2252, 0.3279, 0.5613**, and if you desaturate by 10%, it is **26.3326, 0.3320, 0.5142**.

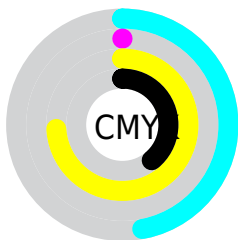
Distribution



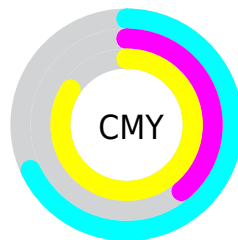
- Red (32%)
- Green (61%)
- Blue (16%)



- Red (16%)
- Yellow (61%)
- Blue (45%)



- Cyan (47%)
- Magenta (0%)
- Yellow (74%)
- Black (39%)




- Cyan (68%)
- Magenta (39%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7240, 0.3308, 0.5402 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 25.7240, 0.3308, 0.5402 by changing the saturation by 10% instead.


 25.7240, 0.3308,
0.5402


 25.7240, 0.3308,
0.5402


281.4246, 0.3290,
0.4186


 16.6173, 0.3264,
0.5746


 52.8294, 0.3331,
0.4925


 9.9620, 0.3165,
0.6197


 71.5968, 0.3329,
0.4756

 5.3738, 0.3028,
0.6972

 94.3532, 0.3324,
0.4617

 2.4682, 0.2476,
0.7524

 121.4831, 0.3318,
0.4501

 0.8606, 0.0000,
1.0000

 153.3707, 0.3311,
0.4404

 0.0000, 0.0000,
0.0000

 190.4006, 0.3304,

0.4321

232.9571, 0.3297,
0.4249

■ 25.7240, 0.3308,
0.5402

■ 25.7240, 0.3308,
0.5402

■ 25.2252, 0.3279,
0.5613

■ 26.3326, 0.3320,
0.5142

■ 24.8244, 0.3235,
0.5764

■ 27.0548, 0.3316,
0.4848

■ 24.6324, 0.3209,
0.5834

■ 27.8983, 0.3298,
0.4539

■ 28.8690, 0.3269,
0.4230

■ 29.9723, 0.3232,
0.3931

■ 31.2135, 0.3190,
0.3651

■ 32.5973, 0.3146,
0.3394

■ 34.1284, 0.3102,
0.3162

■ 35.8111, 0.3059,
0.2953

Harmonies

Analogous

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



25.7240, 0.4288, 0.5078



25.7240, 0.3308, 0.5402



25.7240, 0.2333, 0.4748

Triad

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



25.7240, 0.3308, 0.5402



25.7240, 0.1420, 0.1854



25.7240, 0.4803, 0.2883

Complementary

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



25.7240, 0.3308, 0.5402



7.4953, 0.2567, 0.1404

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.



25.7240, 0.3717, 0.2277



25.7240, 0.3308, 0.5402



25.7240, 0.1822, 0.1711

Square

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



25.7240, 0.3308, 0.5402



25.7240, 0.1350, 0.2387



25.7240, 0.2600, 0.1865



25.7240, 0.5299, 0.3583

Rectangle

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



25.7240, 0.3308, 0.5402



25.7240, 0.1823, 0.3879



25.7240, 0.2600, 0.1865



25.7240, 0.4481, 0.2666

Sweetspot

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



25.7251, 0.3308, 0.5402



54.8505, 0.3224, 0.3876



19.1367, 0.4574, 0.4366



11.9526, 0.3234, 0.3948



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



25.7251, 0.3308, 0.5402



45.3298, 0.3252, 0.5717



24.5088, 0.2948, 0.5367



7.5121, 0.3168, 0.3517



20.3076, 0.3214, 0.5830



0.3859, 0.3533, 0.5577

Inverse Universe

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



7.4953, 0.2567, 0.1404



10.3743, 0.2411, 0.1152



10.4955, 0.3450, 0.1882



6.6344, 0.3083, 0.3066



4.2053, 0.2334, 0.1059



0.0983, 0.2699, 0.1261

Previews

White Background



This preview shows how the Yxy color 25.7240, 0.3308, 0.5402 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 25.7240, 0.3308, 0.5402 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 25.7240, 0.3308, 0.5402

Background



This preview shows how black text looks on a background with the Yxy color 25.7240, 0.3308, 0.5402.



This preview shows how white text looks on a background with the Yxy color 25.7240, 0.3308, 0.5402.

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

25.7240, 0.3308, 0.5402

Protanopia

25.2669, 0.4287, 0.4728

Deuteranopia

25.2335, 0.4473, 0.4391



Tritanopia

25.4518, 0.2609, 0.3077

Trichromacy



Original Color

25.7240, 0.3308, 0.5402

Protanomaly

24.9736, 0.3881, 0.5006

Deuteranomaly

24.4424, 0.4009, 0.4776

Tritanomaly

25.0895, 0.2908, 0.3965

Monochromacy



Original Color

25.7240, 0.3308, 0.5402

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.9487, 0.3254, 0.4126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7240, 0.3308, 0.5402 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(82, 156, 40)` looks like.

```
.text, #text, p{  
    color:rgb(82, 156, 40)  
}
```

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(82, 156, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 156, 40) }
```

Border

The CSS property to change the border of an element to Yxy 25.7240, 0.3308, 0.5402 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(82, 156, 40) }
```

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

```
.border{ border-color:rgb(82, 156, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 156, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 156, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 156, 40);  
box-shadow:4px 4px 4px 4px rgb(82, 156,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7240, 0.3308, 0.5402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 156, 40) }
```

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

```
.background{ background-color: rgb(82, 156,  
40) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor