

Converting Colors

$Y_{xy}(25.1946, 0.3361, 0.5422)$

Have a look what the booklet for
Yxy(25.1946, 0.3361, 0.5422)
contains.

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Color

Yxy(25.1638, 0.3364, 0.5424)

Conversions

Conversions Part 1

Format	Color
Hex	559A23
RGB	85, 154, 35
RGB Percent	33%, 60%, 14%
CMY	0.6666, 0.3961, 0.8628
CMYK	0.45, 0.00, 0.77, 0.40
HSL	95°, 63%, 37%
HSV	95°, 77%, 60%
XYZ	15.6068, 25.1638, 5.6229
YIQ	119.8030, -2.9250, -51.6370

Conversions

Conversions Part 2

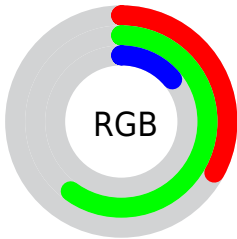
Format	Color
R_{YB}	35, 154, 104
Decimal	5610019
CIE _{Lab}	57.23, -41.87, 51.79
CIE _{LCh}	57, 66.597, 128.955
Yxy	25.1638, 0.3364, 0.5424
Android (android.graphics.Color)	4283800099 (0xFF559A23)
YUV	119.8030, -41.8079, -30.5222
Hunter-Lab	50.1635, -32.2517, 28.4686

Details

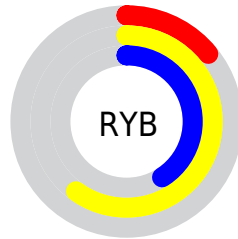
The Yxy color **25.1638, 0.3364, 0.5424** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.4745, 0.2437, 0.1300**, and the grayscale version is **18.8547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8976, 0.3376, 0.4946**, and **9.7094, 0.3129, 0.5897** is the 20% darker color. If you saturate the color by 10%, you get **24.7008, 0.3333, 0.5613**, and if you desaturate by 10%, it is **25.7218, 0.3376, 0.5184**.

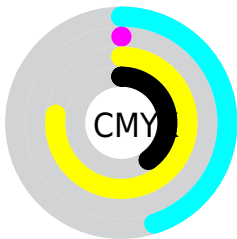
Distribution



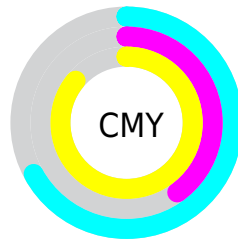
- Red (33%)
- Green (60%)
- Blue (14%)



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



- Cyan (45%)
- Magenta (0%)
- Yellow (77%)
- Black (40%)



- Cyan (67%)
- Magenta (40%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1638, 0.3364, 0.5424 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 25.1638, 0.3364, 0.5424 by changing the saturation by 10% instead.


 25.1638, 0.3364,
0.5424


 25.1638, 0.3364,
0.5424


278.6527, 0.3319,
0.4198


 16.1991, 0.3324,
0.5768


 51.9228, 0.3379,
0.4945


 9.6652, 0.3227,
0.6215


 70.4860, 0.3373,
0.4774

 5.1775, 0.3070,
0.6930

 93.0174, 0.3365,
0.4634

 2.3518, 0.2518,
0.7482

 119.9015, 0.3356,
0.4517

 0.8009, 0.0000,
1.0000

 151.5227, 0.3346,
0.4418

 0.0000, 0.0000,
0.0000

 188.2654, 0.3337,

0.4334

230.5139, 0.3328,
0.4261

■ 25.1638, 0.3364,
0.5424

■ 25.1638, 0.3364,
0.5424

■ 24.7008, 0.3333,
0.5613

■ 25.7218, 0.3376,
0.5184

■ 24.3198, 0.3287,
0.5748

■ 26.3781, 0.3370,
0.4908

■ 24.2265, 0.3274,
0.5782

■ 27.1396, 0.3347,
0.4611

■ 28.0115, 0.3312,
0.4307

■ 28.9987, 0.3268,
0.4011

■ 30.1058, 0.3219,
0.3729

■ 31.3370, 0.3166,
0.3467

■ 32.6963, 0.3113,
0.3227

■ 34.1876, 0.3060,
0.3011

Harmonies

Analogous

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



25.1638, 0.4344, 0.5052



25.1638, 0.3364, 0.5424



25.1638, 0.2376, 0.4826

Triad

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



25.1638, 0.3364, 0.5424



25.1638, 0.1398, 0.1863



25.1638, 0.4766, 0.2842

Complementary

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



25.1638, 0.3364, 0.5424



6.4745, 0.2437, 0.1300

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.



25.1638, 0.3653, 0.2241



25.1638, 0.3364, 0.5424



25.1638, 0.1781, 0.1701

Square

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



25.1638, 0.3364, 0.5424



25.1638, 0.1346, 0.2424



25.1638, 0.2541, 0.1840



25.1638, 0.5308, 0.3541

Rectangle

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



25.1638, 0.3364, 0.5424



25.1638, 0.1850, 0.3961



25.1638, 0.2541, 0.1840



25.1638, 0.4432, 0.2626

Sweetspot

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



25.1649, 0.3364, 0.5424



53.4215, 0.3250, 0.3901



16.5778, 0.4746, 0.4271



11.9420, 0.3266, 0.3998



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.



25.1649, 0.3364, 0.5424



44.3361, 0.3298, 0.5718



23.6420, 0.2984, 0.5563



7.0461, 0.3176, 0.3516



19.7582, 0.3280, 0.5778



0.3161, 0.3621, 0.5507

Inverse Universe

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



6.4745, 0.2437, 0.1300



8.7421, 0.2251, 0.1043



10.1484, 0.3329, 0.1767



6.1942, 0.3074, 0.3066



3.6625, 0.2207, 0.0989



0.0761, 0.2646, 0.1231

Previews

White Background



This preview shows how the Yxy color 25.1638, 0.3364, 0.5424 looks on a white background.

Color Contrast Check

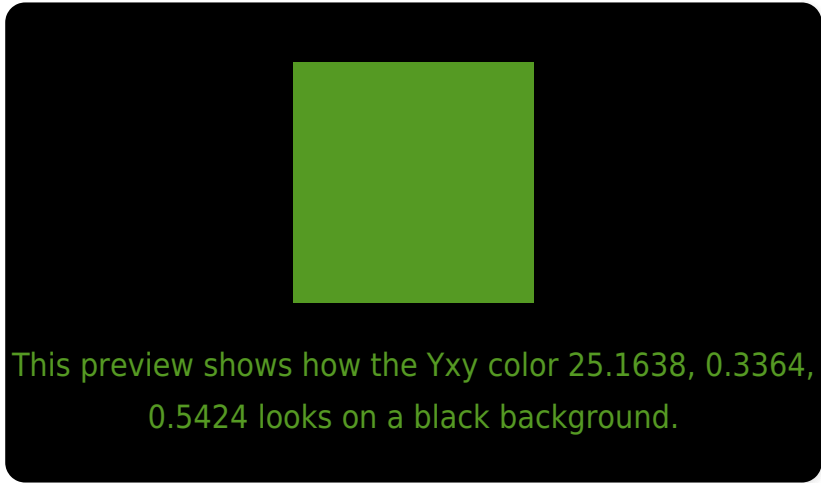
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

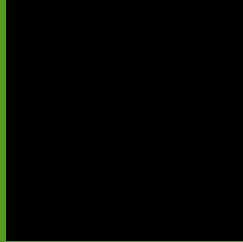
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1638, 0.3364, 0.5424

Background



This preview shows how black text looks on a background with the Yxy color 25.1638, 0.3364, 0.5424.



This preview shows how white text looks on a background with the Yxy color 25.1638, 0.3364, 0.5424.

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

25.1638, 0.3364, 0.5424

Protanopia

24.8603, 0.4307, 0.4755

Deuteranopia

24.8204, 0.4502, 0.4422



Tritanopia

25.1966, 0.2639, 0.3095

Trichromacy



Original Color

25.1638, 0.3364, 0.5424

Protanomaly

24.4163, 0.3936, 0.5022

Deuteranomaly

24.2079, 0.4056, 0.4798

Tritanomaly

24.8143, 0.2951, 0.4005

Monochromacy



Original Color

25.1638, 0.3364, 0.5424

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

20.3496, 0.3290, 0.4153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1638, 0.3364, 0.5424 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(85, 154, 35)` looks like.

```
.text, #text, p{  
    color:rgb(85, 154, 35)  
}
```

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(85, 154, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 154, 35) }
```

Border

The CSS property to change the border of an element to Yxy 25.1638, 0.3364, 0.5424 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(85, 154, 35) }
```

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

```
.border{ border-color:rgb(85, 154, 35) }
```

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

Here you see how a box with a 4 pixel rgb(85, 154, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 154, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 154, 35);  
box-shadow:4px 4px 4px 4px rgb(85, 154,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1638, 0.3364, 0.5424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 154, 35) }
```

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

```
.background{ background-color: rgb(85, 154,  
35) }
```

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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