

Converting Colors

$Y_{xy}(25.1660, 0.3645, 0.4842)$

Have a look what the booklet for
Yxy(25.1660, 0.3645, 0.4842)
contains.

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Color

Yxy(25.1660, 0.3645, 0.4842)

Conversions

Conversions Part 1

Format	Color
Hex	78933A
RGB	120, 147, 58
RGB Percent	47%, 58%, 23%
CMY	0.5294, 0.4235, 0.7725
CMYK	0.18, 0.00, 0.61, 0.42
HSL	78°, 43%, 40%
HSV	78°, 61%, 58%
XYZ	18.9447, 25.1660, 7.8637
YIQ	128.7810, 12.4770, -33.4030

Conversions

Conversions Part 2

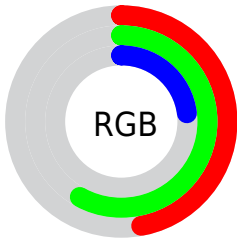
Format	Color
RYB	58, 147, 85
Decimal	7902010
CIELab	57.24, -23.61, 42.98
CIELCh	57, 49.038, 118.776
Yxy	25.1660, 0.3645, 0.4842
Android (android.graphics.Color)	4286092090 (0xFF78933A)
YUV	128.7810, -34.8950, -7.7009
Hunter-Lab	50.1657, -20.3810, 25.8220

Details

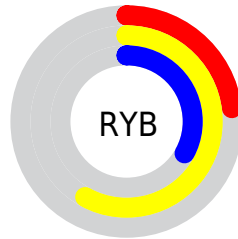
The Yxy color **25.1660, 0.3645, 0.4842** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.0657, 0.2288, 0.1536**, and the grayscale version is **21.9952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8761, 0.3565, 0.4499**, and **9.5991, 0.3708, 0.5411** is the 20% darker color. If you saturate the color by 10%, you get **24.7268, 0.3686, 0.5058**, and if you desaturate by 10%, it is **25.6650, 0.3584, 0.4597**.

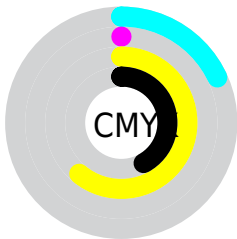
Distribution



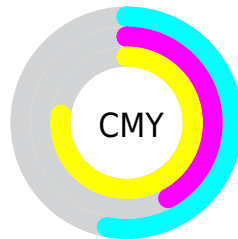
- Red (47%)
- Green (58%)
- Blue (23%)



- Red (23%)
- Yellow (58%)
- Blue (33%)



- Cyan (18%)
- Magenta (0%)
- Yellow (61%)
- Black (42%)





- Cyan (53%)
- Magenta (42%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.1660, 0.3645, 0.4842 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 25.1660, 0.3645, 0.4842 by changing the saturation by 10% instead.


 25.1660, 0.3645,
0.4842


 25.1660, 0.3645,
0.4842


 278.6636, 0.3404,
0.3968


 16.2008, 0.3683,
0.5086


 51.9264, 0.3569,
0.4503

 9.6663, 0.3710,
0.5406


 70.4904, 0.3536,
0.4382

 5.1783, 0.3753,
0.5928

 93.0227, 0.3507,
0.4282

 2.3523, 0.3564,
0.6436

 119.9078, 0.3482,
0.4198

 0.8012, 0.1878,
0.8122

 151.5300, 0.3459,
0.4127

 0.0000, 0.0000,
0.0000

 188.2738, 0.3439,

0.4067

230.5235, 0.3420,
0.4014

■ 25.1660, 0.3645,
0.4842

■ 25.1660, 0.3645,
0.4842

■ 24.7268, 0.3686,
0.5058

■ 25.6650, 0.3584,
0.4597

■ 24.3401, 0.3704,
0.5236

■ 26.2240, 0.3507,
0.4335

■ 24.0024, 0.3698,
0.5369

■ 26.8473, 0.3419,
0.4067

■ 23.7167, 0.3676,
0.5463

■ 27.5377, 0.3325,
0.3801

■ 28.2980, 0.3228,
0.3545

■ 29.1307, 0.3132,
0.3302

■ 30.0383, 0.3039,
0.3077

■ 31.0229, 0.2950,
0.2870

■ 32.0869, 0.2865,
0.2682

Harmonies

Analogous

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



25.1660, 0.4345, 0.4526



25.1660, 0.3645, 0.4842



25.1660, 0.2850, 0.4599

Triad

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



25.1660, 0.3645, 0.4842



25.1660, 0.1713, 0.2319



25.1660, 0.4092, 0.2792

Complementary

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



25.1660, 0.3645, 0.4842



7.0657, 0.2288, 0.1536

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.



25.1660, 0.3236, 0.2342



25.1660, 0.3645, 0.4842



25.1660, 0.1939, 0.2060

Square

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



25.1660, 0.3645, 0.4842



25.1660, 0.1784, 0.2912



25.1660, 0.2457, 0.2082



25.1660, 0.4679, 0.3357

Rectangle

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



25.1660, 0.3645, 0.4842



25.1660, 0.2373, 0.4100



25.1660, 0.2457, 0.2082



25.1660, 0.3818, 0.2625

Sweetspot

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



25.1671, 0.3645, 0.4842



49.5998, 0.3304, 0.3745



12.9603, 0.4625, 0.3741



11.2424, 0.3330, 0.3815



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



25.1671, 0.3645, 0.4842



43.9962, 0.3696, 0.5134



22.7020, 0.3182, 0.5101



6.6573, 0.3216, 0.3512



20.5743, 0.3679, 0.5461



0.2673, 0.3930, 0.5261

Inverse Universe

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



7.0657, 0.2288, 0.1536



8.5750, 0.2059, 0.1157



9.8173, 0.2919, 0.1806



5.7132, 0.3033, 0.3065



2.3136, 0.1727, 0.0725



0.0423, 0.2185, 0.0977

Previews

White Background



This preview shows how the Yxy color 25.1660, 0.3645, 0.4842 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 25.1660, 0.3645, 0.4842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

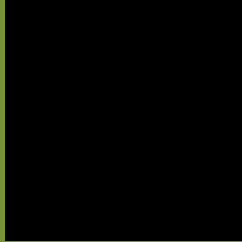
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1660, 0.3645, 0.4842

Background



This preview shows how black text looks on a background with the Yxy color 25.1660, 0.3645, 0.4842.



This preview shows how white text looks on a background with the Yxy color 25.1660, 0.3645, 0.4842.

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

25.1660, 0.3645, 0.4842

Protanopia

24.9395, 0.4145, 0.4539

Deuteranopia

24.7592, 0.4341, 0.4258



Tritanopia

25.1722, 0.2944, 0.3105

Trichromacy



Original Color

25.1660, 0.3645, 0.4842

Protanomaly

24.9980, 0.3954, 0.4658

Deuteranomaly

24.5246, 0.4082, 0.4467

Tritanomaly

24.8227, 0.3226, 0.3736

Monochromacy



Original Color

25.1660, 0.3645, 0.4842

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.0232, 0.3359, 0.3895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1660, 0.3645, 0.4842 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(120, 147, 58)` looks like.

```
.text, #text, p{  
    color:rgb(120, 147, 58)  
}
```

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(120, 147, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 147, 58) }
```

Border

The CSS property to change the border of an element to Yxy 25.1660, 0.3645, 0.4842 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(120, 147, 58) }
```

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

```
.border{ border-color:rgb(120, 147, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 147, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 147, 58); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 147, 58); box-shadow:4px 4px 4px 4px rgb(120, 147, 58) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1660, 0.3645, 0.4842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 147, 58) }
```

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

```
.background{ background-color: rgb(120,  
147, 58) }
```

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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