

Converting Colors

$Y_{xy}(25.3949, 0.3658, 0.4899)$

Have a look what the booklet for
Yxy(25.3949, 0.3658, 0.4899)
contains.

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Color

Yxy(25.4487, 0.3659, 0.4894)

Conversions

Conversions Part 1

Format	Color
Hex	789437
RGB	120, 148, 55
RGB Percent	47%, 58%, 22%
CMY	0.5294, 0.4196, 0.7843
CMYK	0.19, 0.00, 0.63, 0.42
HSL	78°, 46%, 40%
HSV	78°, 63%, 58%
XYZ	19.0267, 25.4487, 7.5244
YIQ	129.0260, 13.1650, -34.8590

Conversions

Conversions Part 2

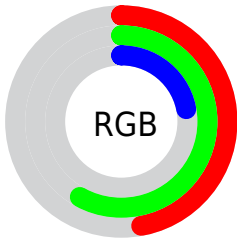
Format	Color
RYB	55, 148, 83
Decimal	7902263
CIELab	57.51, -24.36, 44.67
CIELCh	58, 50.880, 118.609
Yxy	25.4487, 0.3659, 0.4894
Android (android.graphics.Color)	4286092343 (0xFF789437)
YUV	129.0260, -36.4948, -7.9158
Hunter-Lab	50.4467, -20.9578, 26.4693

Details

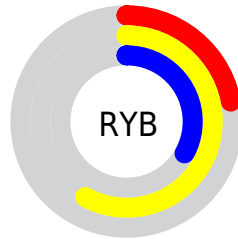
The Yxy color **25.4487, 0.3659, 0.4894** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.7100, 0.2246, 0.1466**, and the grayscale version is **22.0910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2803, 0.3580, 0.4546**, and **9.7783, 0.3705, 0.5440** is the 20% darker color. If you saturate the color by 10%, you get **25.0174, 0.3695, 0.5102**, and if you desaturate by 10%, it is **25.9397, 0.3602, 0.4655**.

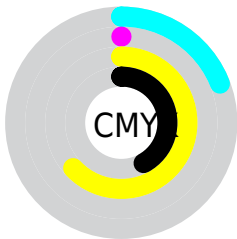
Distribution



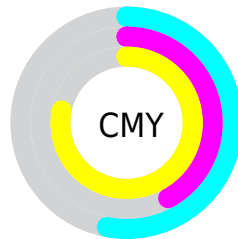
- Red (47%)
- Green (58%)
- Blue (22%)



- Red (22%)
- Yellow (58%)
- Blue (33%)



- Cyan (19%)
- Magenta (0%)
- Yellow (63%)
- Black (42%)




- Cyan (53%)
- Magenta (42%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4487, 0.3659, 0.4894 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 25.4487, 0.3659, 0.4894 by changing the saturation by 10% instead.


 25.4487, 0.3659,
0.4894


 25.4487, 0.3659,
0.4894


280.0652, 0.3415,
0.3993

 16.4117, 0.3695,
0.5142


 52.3842, 0.3584,
0.4546


 9.8159, 0.3717,
0.5466


 71.0515, 0.3551,
0.4421

 5.2771, 0.3766,
0.6014

 93.6976, 0.3521,
0.4318

 2.4107, 0.3532,
0.6468

 120.7070, 0.3495,
0.4232

 0.8314, 0.1904,
0.8096

 152.4641, 0.3471,
0.4158

 0.0000, 0.0000,
0.0000

 189.3532, 0.3451,

0.4095

231.7588, 0.3432,
0.4041

■ 25.4487, 0.3659,
0.4894

■ 25.4487, 0.3659,
0.4894

■ 25.0174, 0.3695,
0.5102

■ 25.9397, 0.3602,
0.4655

■ 24.6382, 0.3708,
0.5269

■ 26.4906, 0.3528,
0.4397

■ 24.3074, 0.3697,
0.5390

■ 27.1058, 0.3442,
0.4129

■ 24.0906, 0.3680,
0.5460

■ 27.7883, 0.3348,
0.3862

■ 28.5411, 0.3251,
0.3603

■ 29.3666, 0.3154,
0.3357

■ 30.2673, 0.3060,
0.3127

■ 31.2456, 0.2969,
0.2916

■ 32.3037, 0.2883,
0.2723

Harmonies

Analogous

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



25.4487, 0.4380, 0.4555



25.4487, 0.3659, 0.4894



25.4487, 0.2841, 0.4652

Triad

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



25.4487, 0.3659, 0.4894



25.4487, 0.1675, 0.2290



25.4487, 0.4119, 0.2773

Complementary

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



25.4487, 0.3659, 0.4894



6.7100, 0.2246, 0.1466

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.



25.4487, 0.3233, 0.2314



25.4487, 0.3659, 0.4894



25.4487, 0.1903, 0.2026

Square

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



25.4487, 0.3659, 0.4894



25.4487, 0.1748, 0.2901



25.4487, 0.2432, 0.2049



25.4487, 0.4729, 0.3349

Rectangle

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



25.4487, 0.3659, 0.4894



25.4487, 0.2351, 0.4135



25.4487, 0.2432, 0.2049



25.4487, 0.3835, 0.2602

Sweetspot

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



25.4498, 0.3659, 0.4894



49.4754, 0.3315, 0.3771



12.7439, 0.4707, 0.3752



11.2170, 0.3340, 0.3840



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.



25.4498, 0.3659, 0.4894



43.8861, 0.3703, 0.5168



22.8961, 0.3180, 0.5173



6.6580, 0.3216, 0.3512



20.5918, 0.3683, 0.5458



0.2674, 0.3933, 0.5259

Inverse Universe

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



6.7100, 0.2246, 0.1466



8.0944, 0.2024, 0.1107



9.5699, 0.2908, 0.1758



5.7125, 0.3033, 0.3065



2.3069, 0.1724, 0.0723



0.0422, 0.2180, 0.0975

Previews

White Background



This preview shows how the Yxy color 25.4487, 0.3659, 0.4894 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 25.4487, 0.3659, 0.4894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

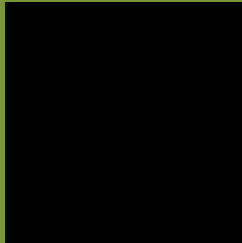
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4487, 0.3659, 0.4894

Background



This preview shows how black text looks on a background with the Yxy color 25.4487, 0.3659, 0.4894.



This preview shows how white text looks on a background with the Yxy color 25.4487, 0.3659, 0.4894.

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

25.4487, 0.3659, 0.4894

Protanopia

25.2949, 0.4169, 0.4579

Deuteranopia

25.2168, 0.4380, 0.4294



Tritanopia

25.4925, 0.2935, 0.3105

Trichromacy



Original Color

25.4487, 0.3659, 0.4894

Protanomaly

25.3538, 0.3979, 0.4699

Deuteranomaly

24.8722, 0.4109, 0.4511

Tritanomaly

25.0958, 0.3234, 0.3771

Monochromacy



Original Color

25.4487, 0.3659, 0.4894

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.0032, 0.3370, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4487, 0.3659, 0.4894 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, 148, 55)` looks like.

```
.text, #text, p{  
    color:rgb(120, 148, 55)  
}
```

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, 148, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 148, 55) }
```

Border

The CSS property to change the border of an element to Yxy 25.4487, 0.3659, 0.4894 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, 148, 55) }
```

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

```
.border{ border-color:rgb(120, 148, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 148, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 148, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 148, 55);  
box-shadow:4px 4px 4px 4px rgb(120, 148,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4487, 0.3659, 0.4894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 148, 55) }
```

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

```
.background{ background-color: rgb(120,  
148, 55) }
```

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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