

Converting Colors

$Y_{xy}(22.5942, 0.3667, 0.5165)$

Have a look what the booklet for
Yxy(22.5942, 0.3667, 0.5165)
contains.

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Color

Yxy(22.5932, 0.3667, 0.5165)

Conversions

Conversions Part 1

Format	Color
Hex	6B8E23
RGB	107, 142, 35
RGB Percent	42%, 56%, 14%
CMY	0.5804, 0.4431, 0.8625
CMYK	0.25, 0.00, 0.75, 0.44
HSL	80°, 60%, 35%
HSV	80°, 75%, 56%
XYZ	16.0405, 22.5932, 5.1092
YIQ	119.3370, 13.4870, -40.6970

Conversions

Conversions Part 2

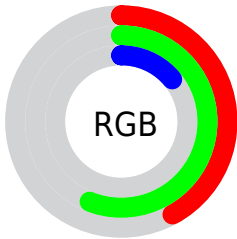
Format	Color
RYB	35, 142, 70
Decimal	7048739
CIELab	54.65, -28.22, 49.67
CIELCh	55, 57.130, 119.600
Yxy	22.5932, 0.3667, 0.5165
Android (android.graphics.Color)	4285238819 (0xFF6B8E23)
YUV	119.3370, -41.5781, -10.8195
Hunter-Lab	47.5323, -22.9439, 26.8996

Details

The Yxy color **22.5932, 0.3667, 0.5165** is a dark color, and the websafe version is hex **669933**, and the color name is **olivedrab**. A complement of this color would be **4.4620, 0.2081, 0.1159**, and the grayscale version is **18.6938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7615, 0.3602, 0.4752**, and **8.4665, 0.3550, 0.5563** is the 20% darker color. If you saturate the color by 10%, you get **22.2458, 0.3670, 0.5327**, and if you desaturate by 10%, it is **22.9923, 0.3640, 0.4961**.

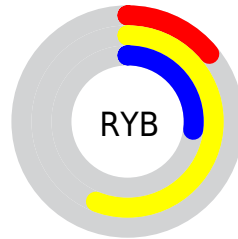
Distribution



Red (42%)

Green (56%)

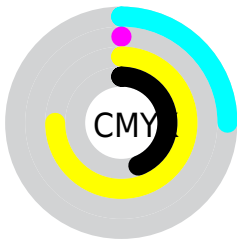
Blue (14%)



Red (14%)

Yellow (56%)

Blue (27%)

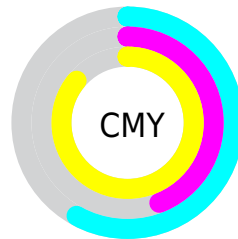


Cyan (25%)

Magenta (0%)

Yellow (75%)

Black (44%)



Cyan (58%)


Magenta (44%)


Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5932, 0.3667, 0.5165 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 22.5932, 0.3667, 0.5165 by changing the saturation by 10% instead.


 22.5932, 0.3667,
0.5165


 22.5932, 0.3667,
0.5165


 265.6286, 0.3437,
0.4097


 14.2934, 0.3682,
0.5458


 47.7245, 0.3606,
0.4751


 8.3250, 0.3665,
0.5841


 65.3248, 0.3575,
0.4603

 4.3036, 0.3595,
0.6405

 86.7941, 0.3546,
0.4480

 1.8448, 0.3161,
0.6839

 112.5167, 0.3520,
0.4378

 0.5149, 0.0000,
1.0000

 142.8771, 0.3496,
0.4291

 0.0000, 0.0000,
0.0000

 178.2596, 0.3474,

0.4217

219.0486, 0.3455,
0.4153

■ 22.5932, 0.3667,
0.5165

■ 22.5932, 0.3667,
0.5165

■ 22.2458, 0.3670,
0.5327

■ 22.9923, 0.3640,
0.4961

■ 21.9417, 0.3651,
0.5444

■ 23.4439, 0.3592,
0.4724

■ 21.8081, 0.3639,
0.5493

■ 23.9525, 0.3526,
0.4466

■ 24.5213, 0.3447,
0.4197

■ 25.1529, 0.3360,
0.3928

■ 25.8501, 0.3269,
0.3665

■ 26.6153, 0.3176,
0.3416

■ 27.4508, 0.3085,
0.3183

■ 28.3588, 0.2997,
0.2968

Harmonies

Analogous

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



22.5932, 0.4507, 0.4723



22.5932, 0.3667, 0.5165



22.5932, 0.2740, 0.4895

Triad

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



22.5932, 0.3667, 0.5165



22.5932, 0.1492, 0.2118



22.5932, 0.4313, 0.2709

Complementary

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



22.5932, 0.3667, 0.5165



4.4620, 0.2081, 0.1159

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.



22.5932, 0.3274, 0.2196



22.5932, 0.3667, 0.5165



22.5932, 0.1754, 0.1852

Square

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



22.5932, 0.3667, 0.5165



22.5932, 0.1551, 0.2784



22.5932, 0.2349, 0.1895



22.5932, 0.5003, 0.3345

Rectangle

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



22.5932, 0.3667, 0.5165



22.5932, 0.2193, 0.4254



22.5932, 0.2349, 0.1895



22.5932, 0.3980, 0.2519

Sweetspot

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



22.5942, 0.3667, 0.5165



44.5708, 0.3344, 0.3879



10.1188, 0.5119, 0.3814



9.8709, 0.3373, 0.3964



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



22.5942, 0.3667, 0.5165



38.8682, 0.3660, 0.5408



20.2709, 0.3143, 0.5523



6.1982, 0.3212, 0.3511



19.5900, 0.3641, 0.5491



0.1993, 0.3907, 0.5280

Inverse Universe

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



4.4620, 0.2081, 0.1159



5.2828, 0.1850, 0.0847



7.3245, 0.2875, 0.1552



5.3354, 0.3037, 0.3066



2.2940, 0.1760, 0.0743



0.0329, 0.2231, 0.1003

Previews

White Background



This preview shows how the Yxy color 22.5932, 0.3667, 0.5165 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 22.5932, 0.3667, 0.5165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

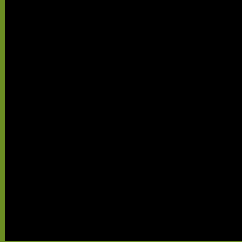
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5932, 0.3667, 0.5165

Background



This preview shows how black text looks on a background with the Yxy color 22.5932, 0.3667, 0.5165.



This preview shows how white text looks on a background with the Yxy color 22.5932, 0.3667, 0.5165.

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

22.5932, 0.3667, 0.5165

Protanopia

22.4479, 0.4276, 0.4745

Deuteranopia

22.3763, 0.4502, 0.4428



Tritanopia

22.4076, 0.2874, 0.3093

Trichromacy



Original Color

22.5932, 0.3667, 0.5165

Protanomaly

22.3433, 0.4049, 0.4902

Deuteranomaly

22.2254, 0.4191, 0.4698

Tritanomaly

22.2526, 0.3221, 0.3901

Monochromacy



Original Color

22.5932, 0.3667, 0.5165

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.5282, 0.3415, 0.4061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5932, 0.3667, 0.5165 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(107, 142, 35)` looks like.

```
.text, #text, p{  
    color:rgb(107, 142, 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(107, 142, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 142, 35) }
```

Border

The CSS property to change the border of an element to Yxy 22.5932, 0.3667, 0.5165 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(107, 142, 35) }
```

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

```
.border{ border-color:rgb(107, 142, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 142, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 142, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 142, 35);  
box-shadow:4px 4px 4px 4px rgb(107, 142,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5932, 0.3667, 0.5165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 142, 35) }
```

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

```
.background{ background-color: rgb(107,  
142, 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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