

Converting Colors

$Y_{xy}(22.3082, 0.3476, 0.5032)$

Have a look what the booklet for
Yxy(22.3082, 0.3476, 0.5032)
contains.

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Color

Yxy(22.2377, 0.3483, 0.5024)

Conversions

Conversions Part 1

Format	Color
Hex	638E33
RGB	99, 142, 51
RGB Percent	39%, 56%, 20%
CMY	0.6117, 0.4431, 0.8001
CMYK	0.30, 0.00, 0.64, 0.44
HSL	88°, 47%, 38%
HSV	88°, 64%, 56%
XYZ	15.4168, 22.2377, 6.6085
YIQ	118.7690, 3.5830, -37.4170

Conversions

Conversions Part 2

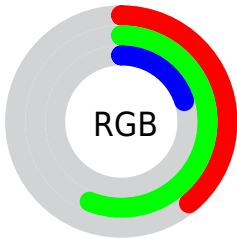
Format	Color
RYB	51, 142, 94
Decimal	6524467
CIELab	54.28, -30.24, 42.57
CIElCh	54, 52.220, 125.390
Yxy	22.2377, 0.3483, 0.5024
Android (android.graphics.Color)	4284714547 (0xFF638E33)
YUV	118.7690, -33.4101, -17.3374
Hunter-Lab	47.1569, -24.1683, 24.7010

Details

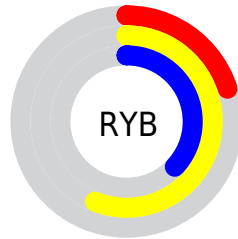
The Yxy color **22.2377, 0.3483, 0.5024** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.6961, 0.2444, 0.1532**, and the grayscale version is **18.4782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1146, 0.3439, 0.4618**, and **8.0865, 0.3436, 0.5654** is the 20% darker color. If you saturate the color by 10%, you get **21.7698, 0.3491, 0.5260**, and if you desaturate by 10%, it is **22.7772, 0.3456, 0.4758**.

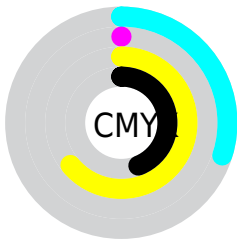
Distribution



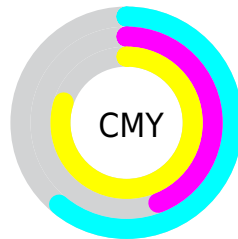
- Red (39%)
- Green (56%)
- Blue (20%)



- Red (20%)
- Yellow (56%)
- Blue (37%)



- Cyan (30%)
- Magenta (0%)
- Yellow (64%)
- Black (44%)




- Cyan (61%)
- Magenta (44%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2377, 0.3483, 0.5024 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 22.2377, 0.3483, 0.5024 by changing the saturation by 10% instead.


 22.2377, 0.3483,
0.5024


 22.2377, 0.3483,
0.5024


263.7851, 0.3337,
0.4016


 14.0317, 0.3488,
0.5320


 47.1386, 0.3447,
0.4623

 8.1427, 0.3462,
0.5718


 64.6022, 0.3427,
0.4482

 4.1864, 0.3486,
0.6514

 85.9204, 0.3409,
0.4368

 1.7784, 0.3005,
0.6995

 111.4777, 0.3391,
0.4273

 0.4736, 0.0000,
1.0000

 141.6584, 0.3376,
0.4193

 0.0000, 0.0000,
0.0000

 176.8469, 0.3362,

0.4125

217.4277, 0.3349,
0.4067

■ 22.2377, 0.3483,
0.5024

■ 22.2377, 0.3483,
0.5024

■ 21.7698, 0.3491,
0.5260

■ 22.7772, 0.3456,
0.4758

■ 21.3662, 0.3477,
0.5453

■ 23.3892, 0.3412,
0.4475

■ 21.0226, 0.3443,
0.5595

■ 24.0783, 0.3357,
0.4188

■ 20.8399, 0.3419,
0.5668

■ 24.8477, 0.3293,
0.3906

■ 25.7005, 0.3225,
0.3638

■ 26.6395, 0.3156,
0.3387

■ 27.6676, 0.3087,
0.3157

■ 28.7871, 0.3020,
0.2947

■ 30.0007, 0.2956,
0.2758

Harmonies

Analogous

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



22.2377, 0.4294, 0.4745



22.2377, 0.3483, 0.5024



22.2377, 0.2625, 0.4605

Triad

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



22.2377, 0.3483, 0.5024



22.2377, 0.1619, 0.2130



22.2377, 0.4379, 0.2865

Complementary

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



22.2377, 0.3483, 0.5024



6.6961, 0.2444, 0.1532

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.



22.2377, 0.3455, 0.2349



22.2377, 0.3483, 0.5024



22.2377, 0.1927, 0.1932

Square

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



22.2377, 0.3483, 0.5024



22.2377, 0.1619, 0.2682



22.2377, 0.2554, 0.2020



22.2377, 0.4913, 0.3484

Rectangle

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



22.2377, 0.3483, 0.5024



22.2377, 0.2143, 0.3969



22.2377, 0.2554, 0.2020



22.2377, 0.4094, 0.2677

Sweetspot

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



22.2387, 0.3483, 0.5024



44.5051, 0.3261, 0.3778



13.8983, 0.4541, 0.4018



9.8568, 0.3279, 0.3846



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.



22.2387, 0.3483, 0.5024



38.0544, 0.3487, 0.5352



20.3698, 0.3055, 0.5277



6.1606, 0.3191, 0.3512



18.7218, 0.3422, 0.5665



0.1921, 0.3755, 0.5401

Inverse Universe

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



6.6961, 0.2444, 0.1532



8.3667, 0.2249, 0.1195



9.8046, 0.3145, 0.1846



5.3720, 0.3059, 0.3068



2.8376, 0.1995, 0.0873



0.0401, 0.2489, 0.1145

Previews

White Background



This preview shows how the Yxy color 22.2377, 0.3483, 0.5024 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 22.2377, 0.3483, 0.5024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

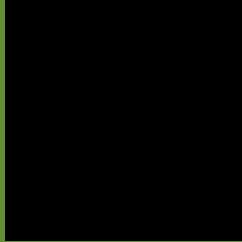
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2377, 0.3483, 0.5024

Background



This preview shows how black text looks on a background with the Yxy color 22.2377, 0.3483, 0.5024.



This preview shows how white text looks on a background with the Yxy color 22.2377, 0.3483, 0.5024.

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

22.2377, 0.3483, 0.5024

Protanopia

22.0998, 0.4166, 0.4604

Deuteranopia

21.9349, 0.4361, 0.4286



Tritanopia

22.2334, 0.2794, 0.3090

Trichromacy



Original Color

22.2377, 0.3483, 0.5024

Protanomaly

21.8528, 0.3915, 0.4763

Deuteranomaly

21.6444, 0.4025, 0.4549

Tritanomaly

21.8599, 0.3071, 0.3796

Monochromacy



Original Color

22.2377, 0.3483, 0.5024

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.4316, 0.3311, 0.3949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2377, 0.3483, 0.5024 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(99, 142, 51)` looks like.

```
.text, #text, p{  
    color:rgb(99, 142, 51)  
}
```

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(99, 142, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 142, 51) }
```

Border

The CSS property to change the border of an element to Yxy 22.2377, 0.3483, 0.5024 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(99, 142, 51) }
```

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

```
.border{ border-color:rgb(99, 142, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 142, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 142, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 142, 51);  
box-shadow:4px 4px 4px 4px rgb(99, 142,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2377, 0.3483, 0.5024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 142, 51) }
```

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

```
.background{ background-color: rgb(99, 142,  
51) }
```

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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