

Converting Colors

$Y_{xy}(22.7754, 0.3513, 0.5363)$

Have a look what the booklet for
Yxy(22.7754, 0.3513, 0.5363)
contains.

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Color

Yxy(22.6667, 0.3515, 0.5361)

Conversions

Conversions Part 1

Format	Color
Hex	5D911D
RGB	93, 145, 29
RGB Percent	36%, 57%, 11%
CMY	0.6353, 0.4314, 0.8864
CMYK	0.36, 0.00, 0.80, 0.43
HSL	87°, 67%, 34%
HSV	87°, 80%, 57%
XYZ	14.8617, 22.6667, 4.7524
YIQ	116.2280, 6.2440, -47.1000

Conversions

Conversions Part 2

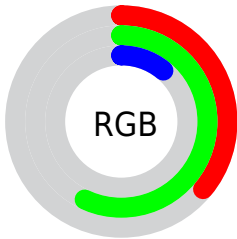
Format	Color
R_{YB}	29, 145, 81
Decimal	6131997
CIE _{Lab}	54.73, -35.49, 51.53
CIE _{LCh}	55, 62.567, 124.559
Yxy	22.6667, 0.3515, 0.5361
Android (android.graphics.Color)	4284322077 (0xFF5D911D)
YUV	116.2280, -43.0034, -20.3710
Hunter-Lab	47.6096, -27.5966, 27.4084

Details

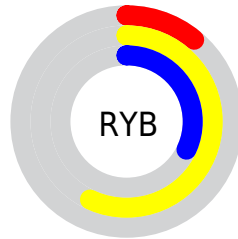
The Yxy color **22.6667, 0.3515, 0.5361** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.6701, 0.2190, 0.1144**, and the grayscale version is **17.6721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6744, 0.3497, 0.4901**, and **8.4367, 0.3303, 0.5759** is the 20% darker color. If you saturate the color by 10%, you get **22.2873, 0.3491, 0.5520**, and if you desaturate by 10%, it is **23.1107, 0.3517, 0.5154**.

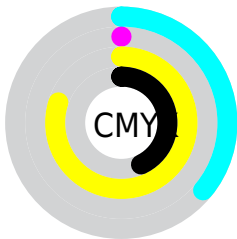
Distribution



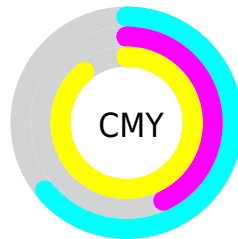
- Red (36%)
- Green (57%)
- Blue (11%)



- Red (11%)
- Yellow (57%)
- Blue (32%)



- Cyan (36%)
- Magenta (0%)
- Yellow (80%)
- Black (43%)



- Cyan (64%)
- Magenta (43%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6667, 0.3515, 0.5361 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 22.6667, 0.3515, 0.5361 by changing the saturation by 10% instead.


 22.6667, 0.3515,
0.5361


 22.6667, 0.3515,
0.5361


266.0084, 0.3383,
0.4168


 14.3476, 0.3495,
0.5693


 47.8455, 0.3497,
0.4895


 8.3628, 0.3431,
0.6141


 65.4739, 0.3480,
0.4729

 4.3280, 0.3255,
0.6745

 86.9743, 0.3462,
0.4592

 1.8587, 0.2688,
0.7312

 112.7309, 0.3444,
0.4479

 0.5233, 0.0000,
1.0000

 143.1283, 0.3427,
0.4383

 0.0000, 0.0000,
0.0000

 178.5507, 0.3411,

0.4301

219.3826, 0.3397,
0.4230

■ 22.6667, 0.3515,
0.5361

■ 22.6667, 0.3515,
0.5361

■ 22.2873, 0.3491,
0.5520

■ 23.1107, 0.3517,
0.5154

■ 21.9580, 0.3452,
0.5641

■ 23.6212, 0.3498,
0.4908

■ 24.2034, 0.3460,
0.4637

■ 24.8612, 0.3407,
0.4354

■ 25.5981, 0.3343,
0.4070

■ 26.4172, 0.3274,
0.3794

■ 27.3216, 0.3201,
0.3533

■ 28.3142, 0.3127,
0.3290

■ 29.3977, 0.3055,
0.3068

Harmonies

Analogous

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



22.6667, 0.4453, 0.4922



22.6667, 0.3515, 0.5361



22.6667, 0.2532, 0.4927

Triad

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



22.6667, 0.3515, 0.5361



22.6667, 0.1404, 0.1948



22.6667, 0.4586, 0.2761

Complementary

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



22.6667, 0.3515, 0.5361



4.6701, 0.2190, 0.1144

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.



22.6667, 0.3470, 0.2192



22.6667, 0.3515, 0.5361



22.6667, 0.1733, 0.1737

Square

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



22.6667, 0.3515, 0.5361



22.6667, 0.1403, 0.2572



22.6667, 0.2424, 0.1833



22.6667, 0.5224, 0.3441

Rectangle

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



22.6667, 0.3515, 0.5361



22.6667, 0.1982, 0.4138



22.6667, 0.2424, 0.1833



22.6667, 0.4240, 0.2554

Sweetspot

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



22.6677, 0.3515, 0.5361



46.6313, 0.3306, 0.3916



11.7373, 0.5056, 0.4033



10.2707, 0.3328, 0.4005



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.6677, 0.3515, 0.5361



39.4409, 0.3457, 0.5611



20.7281, 0.3049, 0.5694



6.1668, 0.3194, 0.3512



18.8490, 0.3456, 0.5638



0.1933, 0.3781, 0.5380

Inverse Universe

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



4.6701, 0.2190, 0.1144



5.9354, 0.1969, 0.0877



8.2630, 0.3076, 0.1598



5.3659, 0.3055, 0.3067



2.7319, 0.1952, 0.0849



0.0389, 0.2449, 0.1123

Previews

White Background



This preview shows how the Yxy color 22.6667, 0.3515, 0.5361 looks on a white background.

Color Contrast Check

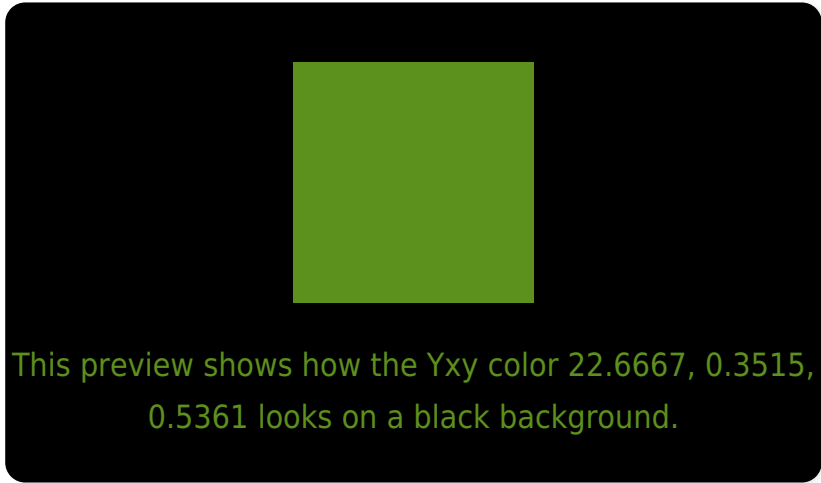
Large Text (above 18pt) WCAG AA ✓ Pass

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

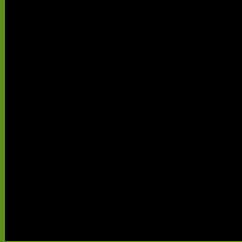
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6667, 0.3515, 0.5361

Background



This preview shows how black text looks on a background with the Yxy color 22.6667, 0.3515, 0.5361.



This preview shows how white text looks on a background with the Yxy color 22.6667, 0.3515, 0.5361.

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

22.6667, 0.3515, 0.5361

Protanopia

22.5058, 0.4322, 0.4786

Deuteranopia

22.3483, 0.4530, 0.4464



Tritanopia

22.5914, 0.2740, 0.3089

Trichromacy



Original Color

22.6667, 0.3515, 0.5361

Protanomaly

22.1949, 0.4008, 0.5014

Deuteranomaly

22.0272, 0.4147, 0.4799

Tritanomaly

22.3281, 0.3094, 0.3999

Monochromacy



Original Color

22.6667, 0.3515, 0.5361

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

19.0070, 0.3369, 0.4166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6667, 0.3515, 0.5361 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(93, 145, 29)` looks like.

```
.text, #text, p{  
    color:rgb(93, 145, 29)  
}
```

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(93, 145, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 145, 29) }
```

Border

The CSS property to change the border of an element to Yxy 22.6667, 0.3515, 0.5361 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(93, 145, 29) }
```

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

```
.border{ border-color:rgb(93, 145, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 145, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 145, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 145, 29);  
box-shadow:4px 4px 4px 4px rgb(93, 145,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6667, 0.3515, 0.5361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 145, 29) }
```

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

```
.background{ background-color: rgb(93, 145,  
29) }
```

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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