

Converting Colors

$Y_{xy}(22.7741, 0.3604, 0.5521)$

Have a look what the booklet for
Yxy(22.7741, 0.3604, 0.5521)
contains.

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Color

Yxy(22.6837, 0.3610, 0.5516)

Conversions

Conversions Part 1

Format	Color
Hex	5F9100
RGB	95, 145, 0
RGB Percent	37%, 57%, 0%
CMY	0.6274, 0.4314, 1.0000
CMYK	0.34, 0.00, 1.00, 0.43
HSL	81°, 100%, 28%
HSV	81°, 100%, 57%
XYZ	14.8456, 22.6837, 3.5942
YIQ	113.5200, 16.7450, -55.6950

Conversions

Conversions Part 2

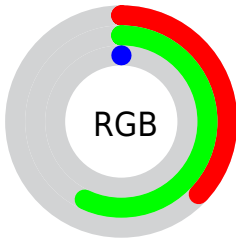
Format	Color
RYB	0, 145, 50
Decimal	6263040
CIELab	54.75, -35.66, 57.82
CIELCh	55, 67.932, 121.668
Yxy	22.6837, 0.3610, 0.5516
Android (android.graphics.Color)	4284453120 (0xFF5F9100)
YUV	113.5200, -55.9654, -16.2420
Hunter-Lab	47.6274, -27.7091, 28.8649

Details

The Yxy color **22.6837, 0.3610, 0.5516** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.7221, 0.1779, 0.0754**, and the grayscale version is **16.8443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7605, 0.3591, 0.5033**, and **8.4768, 0.3329, 0.5739** is the 20% darker color. If you saturate the color by 10%, you get **22.6848, 0.3610, 0.5516**, and if you desaturate by 10%, it is **22.9943, 0.3637, 0.5408**.

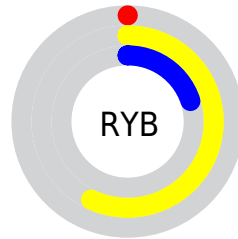
Distribution



Red (37%)

Green (57%)

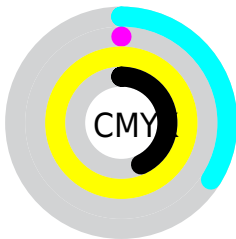
Blue (0%)



Red (0%)

Yellow (57%)

Blue (20%)

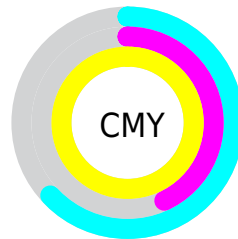


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (63%)


Magenta (43%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6837, 0.3610, 0.5516 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 22.6837, 0.3610, 0.5516 by changing the saturation by 10% instead.


 22.6837, 0.3610,
0.5516

 22.6837, 0.3610,
0.5516


 266.0962, 0.3450,
0.4254


 14.3601, 0.3581,
0.5846


 47.8734, 0.3592,
0.5034


 8.3716, 0.3539,
0.6351


 65.5084, 0.3571,
0.4858


 4.3336, 0.3248,
0.6752

 87.0159, 0.3548,
0.4713

 1.8619, 0.2678,
0.7322

 112.7805, 0.3526,
0.4590

 0.5253, 0.0000,
1.0000


 143.1864, 0.3505,
0.4487

 0.0000, 0.0000,
0.0000

 178.6180, 0.3485,


0.4398

 219.4598, 0.3467,
0.4321

 22.6837, 0.3610,
0.5516


 22.6837, 0.3610,
0.5516


 22.6848, 0.3610,
0.5516

 22.9943, 0.3637,
0.5408

 23.3438, 0.3648,
0.5265

 23.7449, 0.3635,
0.5077

 24.2021, 0.3600,
0.4851

 24.7192, 0.3545,
0.4598

■ 25.2997, 0.3475,
0.4330

■ 25.9468, 0.3394,
0.4057

■ 26.6633, 0.3307,
0.3789

■ 27.4520, 0.3217,
0.3532

Harmonies

Analogous

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



22.6837, 0.4599, 0.4934



22.6837, 0.3610, 0.5516



22.6837, 0.2562, 0.5188

Triad

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



22.6837, 0.3610, 0.5516



22.6837, 0.1287, 0.1893



22.6837, 0.4603, 0.2650

Complementary

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



22.6837, 0.3610, 0.5516



2.7221, 0.1779, 0.0754

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.



22.6837, 0.3369, 0.2072



22.6837, 0.3610, 0.5516



22.6837, 0.1595, 0.1646

Square

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



22.6837, 0.3610, 0.5516



22.6837, 0.1312, 0.2593



22.6837, 0.2279, 0.1721



22.6837, 0.5359, 0.3349

Rectangle

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



22.6837, 0.3610, 0.5516



22.6837, 0.1961, 0.4355



22.6837, 0.2279, 0.1721



22.6837, 0.4212, 0.2438

Sweetspot

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



22.6848, 0.3610, 0.5516



46.3901, 0.3399, 0.4074



8.1612, 0.5844, 0.3742



10.2208, 0.3430, 0.4176



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.



22.6848, 0.3610, 0.5516



40.5252, 0.3598, 0.5525



20.4474, 0.3059, 0.5953



6.1936, 0.3209, 0.3511



19.4719, 0.3613, 0.5513



0.1984, 0.3889, 0.5294

Inverse Universe

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



2.7221, 0.1779, 0.0754



4.7867, 0.1760, 0.0743



6.0974, 0.2799, 0.1315



5.3397, 0.3040, 0.3066



2.3482, 0.1785, 0.0757



0.0338, 0.2264, 0.1021

Previews

White Background



This preview shows how the Yxy color 22.6837, 0.3610, 0.5516 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 22.6837, 0.3610, 0.5516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

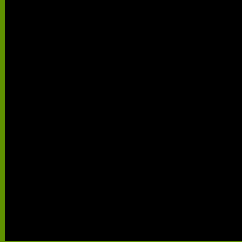
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6837, 0.3610, 0.5516

Background



This preview shows how black text looks on a background with the Yxy color 22.6837, 0.3610, 0.5516.



This preview shows how white text looks on a background with the Yxy color 22.6837, 0.3610, 0.5516.

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

22.6837, 0.3610, 0.5516

Protanopia

22.4356, 0.4394, 0.4893

Deuteranopia

22.3917, 0.4606, 0.4538



Tritanopia

22.7183, 0.2759, 0.3090

Trichromacy



Original Color

22.6837, 0.3610, 0.5516

Protanomaly

22.1975, 0.4093, 0.5132

Deuteranomaly

22.0352, 0.4237, 0.4911

Tritanomaly

22.2588, 0.3211, 0.4196

Monochromacy



Original Color

22.6837, 0.3610, 0.5516

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.2741, 0.3482, 0.4358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6837, 0.3610, 0.5516 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(95, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(95, 145, 0)  
}
```

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(95, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 145, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.6837, 0.3610, 0.5516 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(95, 145, 0) }
```

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

```
.border{ border-color:rgb(95, 145, 0) }
```

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

Here you see how a box with a 4 pixel rgb(95, 145, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(95, 145, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.6837, 0.3610, 0.5516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 145, 0) }
```

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

```
.background{ background-color: rgb(95, 145,  
0) }
```

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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