

Converting Colors

$Y_{xy}(22.3280, 0.3622, 0.5579)$

Have a look what the booklet for
Yxy(22.3280, 0.3622, 0.5579)
contains.

Yxy(22.2737, 0.3595, 0.5527)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(22.2737, 0.3595, 0.5527)$

Conversions

Conversions Part 1

Format	Color
Hex	5D9000
RGB	93, 144, 0
RGB Percent	36%, 56%, 0%
CMY	0.6353, 0.4353, 0.9996
CMYK	0.35, 0.00, 1.00, 0.44
HSL	81°, 100%, 28%
HSV	81°, 100%, 56%
XYZ	14.4878, 22.2737, 3.5383
YIQ	112.3350, 15.8280, -55.5960

Conversions

Conversions Part 2

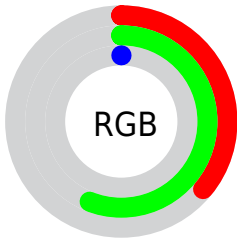
Format	Color
RYB	0, 144, 51
Decimal	6131712
CIELab	54.32, -36.00, 57.41
CIELCh	54, 67.764, 122.087
Yxy	22.2737, 0.3595, 0.5527
Android (android.graphics.Color)	4284321792 (0xFF5D9000)
YUV	112.3350, -55.3812, -16.9568
Hunter-Lab	47.1950, -27.7959, 28.5914

Details

The Yxy color **22.2737, 0.3595, 0.5527** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.7226, 0.1794, 0.0763**, and the grayscale version is **16.4735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1137, 0.3579, 0.5036**, and **8.2408, 0.3297, 0.5764** is the 20% darker color. If you saturate the color by 10%, you get **22.2725, 0.3595, 0.5528**, and if you desaturate by 10%, it is **22.5828, 0.3624, 0.5418**.

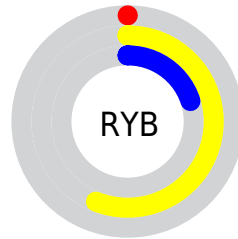
Distribution



Red (36%)

Green (56%)

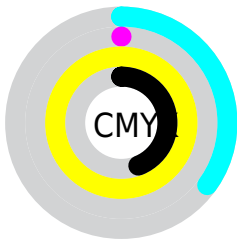
Blue (0%)



Red (0%)

Yellow (56%)

Blue (20%)

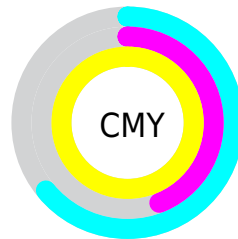


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (64%)


Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2737, 0.3595, 0.5527 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 22.2737, 0.3595, 0.5527 by changing the saturation by 10% instead.


 22.2737, 0.3595,
0.5527

 22.2737, 0.3595,
0.5527


 263.9723, 0.3443,
0.4253


 14.0581, 0.3563,
0.5863


 47.1979, 0.3580,
0.5039


 8.1611, 0.3520,
0.6384


 64.6754, 0.3560,
0.4862


 4.1982, 0.3214,
0.6786

 86.0090, 0.3539,
0.4715

 1.7851, 0.2601,
0.7399

 111.5831, 0.3517,
0.4592


 0.4778, 0.0000,
1.0000


 141.7821, 0.3497,
0.4487


 0.0000, 0.0000,
0.0000


 176.9903, 0.3477,

0.4398


 217.5923, 0.3460,
0.4321


 22.2737, 0.3595,
0.5527


 22.2737, 0.3595,
0.5527

 22.2725, 0.3595,
0.5528

 22.5828, 0.3624,
0.5418

 22.9314, 0.3636,
0.5273

 23.3317, 0.3624,
0.5082

 23.7882, 0.3590,
0.4854

 24.3046, 0.3536,
0.4599

■ 24.8845, 0.3468,
0.4329

■ 25.5309, 0.3388,
0.4056

■ 26.2467, 0.3303,
0.3787

■ 27.0346, 0.3214,
0.3530

Harmonies

Analogous

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



22.2737, 0.4589, 0.4948



22.2737, 0.3595, 0.5527



22.2737, 0.2545, 0.5183

Triad

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



22.2737, 0.3595, 0.5527



22.2737, 0.1284, 0.1882



22.2737, 0.4624, 0.2657

Complementary

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



22.2737, 0.3595, 0.5527



2.7226, 0.1794, 0.0763

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.



22.2737, 0.3387, 0.2075



22.2737, 0.3595, 0.5527



22.2737, 0.1598, 0.1640

Square

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



22.2737, 0.3595, 0.5527



22.2737, 0.1304, 0.2576



22.2737, 0.2289, 0.1720



22.2737, 0.5371, 0.3358

Rectangle

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



22.2737, 0.3595, 0.5527



22.2737, 0.1946, 0.4339



22.2737, 0.2289, 0.1720



22.2737, 0.4233, 0.2444

Sweetspot

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



22.2747, 0.3595, 0.5527



44.9465, 0.3394, 0.4074



8.2512, 0.5798, 0.3778



10.2059, 0.3425, 0.4178



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.



22.2747, 0.3595, 0.5527



39.1863, 0.3583, 0.5537



20.1147, 0.3051, 0.5959



6.1911, 0.3208, 0.3511



19.4080, 0.3598, 0.5525



0.1979, 0.3880, 0.5302

Inverse Universe

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



2.7226, 0.1794, 0.0763



4.7091, 0.1774, 0.0751



6.1841, 0.2840, 0.1339



5.3422, 0.3041, 0.3066



2.3795, 0.1799, 0.0765



0.0343, 0.2282, 0.1031

Previews

White Background



This preview shows how the Yxy color 22.2737, 0.3595, 0.5527 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 22.2737, 0.3595, 0.5527 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 22.2737, 0.3595, 0.5527

Background



This preview shows how black text looks on a background with the Yxy color 22.2737, 0.3595, 0.5527.



This preview shows how white text looks on a background with the Yxy color 22.2737, 0.3595, 0.5527.

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

22.2737, 0.3595, 0.5527

Protanopia

22.0763, 0.4396, 0.4892

Deuteranopia

22.0363, 0.4608, 0.4534



Tritanopia

22.2827, 0.2747, 0.3088

Trichromacy



Original Color

22.2737, 0.3595, 0.5527

Protanomaly

21.8400, 0.4093, 0.5132

Deuteranomaly

21.6795, 0.4236, 0.4910

Tritanomaly

21.8332, 0.3200, 0.4206

Monochromacy



Original Color

22.2737, 0.3595, 0.5527

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.8735, 0.3481, 0.4391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2737, 0.3595, 0.5527 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, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(93, 144, 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(93, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 144, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.2737, 0.3595, 0.5527 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, 144, 0) }
```

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

```
.border{ border-color:rgb(93, 144, 0) }
```

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

Here you see how a box with a 4 pixel rgb(93, 144, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(93, 144, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.2737, 0.3595, 0.5527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 144, 0) }
```

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

```
.background{ background-color: rgb(93, 144,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor