

Converting Colors

$Y_{xy}(22.5300, 0.3716, 0.5432)$

Have a look what the booklet for
Yxy(22.5300, 0.3716, 0.5432)
contains.

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Color

Yxy(22.5285, 0.3716, 0.5431)

Conversions

Conversions Part 1

Format	Color
Hex	678F00
RGB	103, 143, 0
RGB Percent	40%, 56%, 0%
CMY	0.5962, 0.4392, 0.9996
CMYK	0.28, 0.00, 1.00, 0.44
HSL	77°, 100%, 28%
HSV	77°, 100%, 56%
XYZ	15.4145, 22.5285, 3.5384
YIQ	114.7380, 22.0630, -52.9530

Conversions

Conversions Part 2

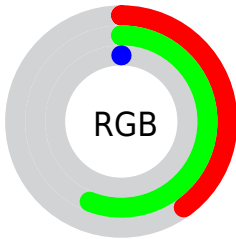
Format	Color
RYB	0, 143, 40
Decimal	6786816
CIELab	54.58, -31.57, 57.87
CIELCh	55, 65.924, 118.614
Yxy	22.5285, 0.3716, 0.5431
Android (android.graphics.Color)	4284976896 (0xFF678F00)
YUV	114.7380, -56.5658, -10.2942
Hunter-Lab	47.4642, -25.0928, 28.8050

Details

The Yxy color **22.5285, 0.3716, 0.5431** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.4390, 0.1696, 0.0708**, and the grayscale version is **17.2328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6313, 0.3670, 0.4975**, and **8.3324, 0.3472, 0.5625** is the 20% darker color. If you saturate the color by 10%, you get **22.5278, 0.3716, 0.5432**, and if you desaturate by 10%, it is **22.8046, 0.3734, 0.5333**.

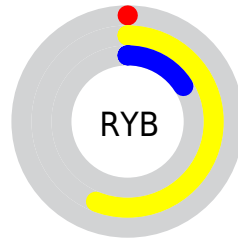
Distribution



Red (40%)

Green (56%)

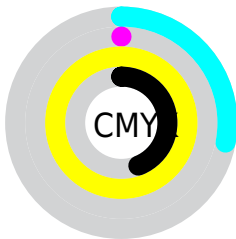
Blue (0%)



Red (0%)

Yellow (56%)

Blue (16%)

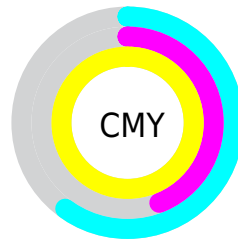


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (60%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5285, 0.3716, 0.5431 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 22.5285, 0.3716, 0.5431 by changing the saturation by 10% instead.


 22.5285, 0.3716,
0.5431


 22.5285, 0.3716,
0.5431


265.2939, 0.3494,
0.4228


 14.2457, 0.3706,
0.5740


 47.6180, 0.3673,
0.4976

 8.2918, 0.3694,
0.6214


 65.1934, 0.3643,
0.4809

 4.2822, 0.3435,
0.6565

 86.6353, 0.3613,
0.4669

 1.8327, 0.2942,
0.7058

 112.3279, 0.3585,
0.4552

 0.5074, 0.0000,
1.0000


 142.6557, 0.3559,
0.4453


 0.0000, 0.0000,
0.0000


 178.0030, 0.3535,


0.4367


 218.7543, 0.3513,
0.4293


 22.5285, 0.3716,
0.5431

 22.5285, 0.3716,
0.5431


 22.5278, 0.3716,
0.5432

 22.8046, 0.3734,
0.5333

 23.1130, 0.3735,
0.5201

 23.4659, 0.3711,
0.5025

 23.8674, 0.3665,
0.4812

 24.3210, 0.3598,
0.4570

■ 24.8302, 0.3517,
0.4311

■ 25.3976, 0.3425,
0.4046

■ 26.0261, 0.3326,
0.3783

■ 26.7181, 0.3226,
0.3529

Harmonies

Analogous

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



22.5285, 0.4663, 0.4830



22.5285, 0.3716, 0.5431



22.5285, 0.2684, 0.5215

Triad

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



22.5285, 0.3716, 0.5431



22.5285, 0.1309, 0.1973



22.5285, 0.4453, 0.2602

Complementary

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



22.5285, 0.3716, 0.5431



2.4390, 0.1696, 0.0708

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.



22.5285, 0.3243, 0.2051



22.5285, 0.3716, 0.5431



22.5285, 0.1579, 0.1688

Square

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



22.5285, 0.3716, 0.5431



22.5285, 0.1372, 0.2718



22.5285, 0.2213, 0.1731



22.5285, 0.5263, 0.3284

Rectangle

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



22.5285, 0.3716, 0.5431



22.5285, 0.2073, 0.4465



22.5285, 0.2213, 0.1731



22.5285, 0.4061, 0.2398

Sweetspot

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



22.5295, 0.3716, 0.5431



45.4037, 0.3431, 0.4065



7.2397, 0.6004, 0.3614



10.3218, 0.3467, 0.4165



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.



22.5295, 0.3716, 0.5431



40.2502, 0.3706, 0.5439



19.9779, 0.3101, 0.5919



6.2106, 0.3218, 0.3510



19.9275, 0.3718, 0.5430



0.2016, 0.3953, 0.5244

Inverse Universe

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



2.4390, 0.1696, 0.0708



4.2853, 0.1678, 0.0698



5.2787, 0.2637, 0.1227



5.3236, 0.3031, 0.3066



2.1628, 0.1700, 0.0710



0.0306, 0.2139, 0.0952

Previews

White Background



This preview shows how the Yxy color 22.5285, 0.3716, 0.5431 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 22.5285, 0.3716, 0.5431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

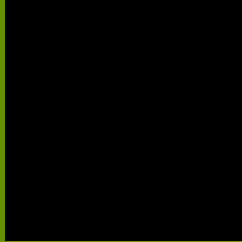
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5285, 0.3716, 0.5431

Background



This preview shows how black text looks on a background with the Yxy color 22.5285, 0.3716, 0.5431.



This preview shows how white text looks on a background with the Yxy color 22.5285, 0.3716, 0.5431.

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

22.5285, 0.3716, 0.5431

Protanopia

22.4356, 0.4394, 0.4893

Deuteranopia

22.3869, 0.4611, 0.4544



Tritanopia

22.5017, 0.2834, 0.3092

Trichromacy



Original Color

22.5285, 0.3716, 0.5431

Protanomaly

22.1532, 0.4143, 0.5092

Deuteranomaly

22.0239, 0.4290, 0.4877

Tritanomaly

22.0435, 0.3293, 0.4164

Monochromacy



Original Color

22.5285, 0.3716, 0.5431

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.5278, 0.3534, 0.4339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5285, 0.3716, 0.5431 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(103, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(103, 143, 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(103, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 143, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.5285, 0.3716, 0.5431 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(103, 143, 0) }
```

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

```
.border{ border-color:rgb(103, 143, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 143, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(103, 143,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5285, 0.3716, 0.5431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 143, 0) }
```

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

```
.background{ background-color: rgb(103,  
143, 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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