

Converting Colors

$Y_{xy}(25.2452, 0.3559, 0.5556)$

Have a look what the booklet for
Yxy(25.2452, 0.3559, 0.5556)
contains.

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Color

Yxy(25.2693, 0.3563, 0.5553)

Conversions

Conversions Part 1

Format	Color
Hex	609900
RGB	96, 153, 0
RGB Percent	38%, 60%, 0%
CMY	0.6236, 0.4000, 1.0000
CMYK	0.37, 0.00, 1.00, 0.40
HSL	82°, 100%, 30%
HSV	82°, 100%, 60%
XYZ	16.2137, 25.2693, 4.0227
YIQ	118.5150, 15.1410, -59.6670

Conversions

Conversions Part 2

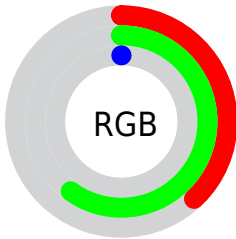
Format	Color
RYB	0, 153, 57
Decimal	6330624
CIELab	57.34, -38.81, 59.83
CIELCh	57, 71.314, 122.967
Yxy	25.2693, 0.3563, 0.5553
Android (android.graphics.Color)	4284520704 (0xFF609900)
YUV	118.5150, -58.4279, -19.7457
Hunter-Lab	50.2686, -30.3965, 30.4434

Details

The Yxy color **25.2693, 0.3563, 0.5553** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.1710, 0.1816, 0.0774**, and the grayscale version is **18.4704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2421, 0.3558, 0.5072**, and **9.7585, 0.3275, 0.5781** is the 20% darker color. If you saturate the color by 10%, you get **25.2703, 0.3563, 0.5553**, and if you desaturate by 10%, it is **25.6263, 0.3596, 0.5444**.

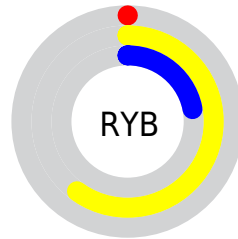
Distribution



Red (38%)

Green (60%)

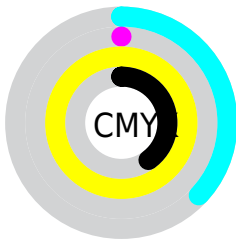
Blue (0%)



Red (0%)

Yellow (60%)

Blue (22%)

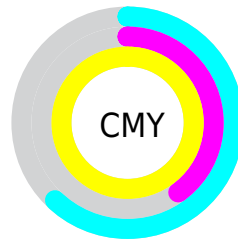


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (62%)


Magenta (40%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2693, 0.3563, 0.5553 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 25.2693, 0.3563, 0.5553 by changing the saturation by 10% instead.


 25.2693, 0.3563,
0.5553


 25.2693, 0.3563,
0.5553


 279.1764, 0.3436,
0.4285


 16.2778, 0.3528,
0.5880


 52.0938, 0.3557,
0.5073


 9.7209, 0.3458,
0.6335


 70.6955, 0.3541,
0.4897


 5.2143, 0.3209,
0.6791

 93.2695, 0.3522,
0.4750

 2.3736, 0.2699,
0.7301

 120.2001, 0.3503,
0.4627


 0.8122, 0.0000,
1.0000


 151.8717, 0.3485,
0.4522


 0.0000, 0.0000,
0.0000


 188.6687, 0.3467,

0.4432


 230.9755, 0.3451,
0.4354

 25.2693, 0.3563,
0.5553


 25.2693, 0.3563,
0.5553


 25.2703, 0.3563,
0.5553

 25.6263, 0.3596,
0.5444

 26.0313, 0.3611,
0.5298

 26.4978, 0.3604,
0.5105

 27.0310, 0.3573,
0.4873

 27.6356, 0.3523,
0.4615

■ 28.3155, 0.3458,
0.4341

■ 29.0744, 0.3381,
0.4064

■ 29.9157, 0.3298,
0.3792

■ 30.8426, 0.3213,
0.3533

Harmonies

Analogous

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



25.2693, 0.4569, 0.4979



25.2693, 0.3563, 0.5553



25.2693, 0.2509, 0.5174

Triad

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



25.2693, 0.3563, 0.5553



25.2693, 0.1277, 0.1859



25.2693, 0.4669, 0.2670

Complementary

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



25.2693, 0.3563, 0.5553



3.1710, 0.1816, 0.0774

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.



25.2693, 0.3426, 0.2081



25.2693, 0.3563, 0.5553



25.2693, 0.1602, 0.1628

Square

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



25.2693, 0.3563, 0.5553



25.2693, 0.1286, 0.2540



25.2693, 0.2309, 0.1716



25.2693, 0.5399, 0.3377

Rectangle

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



25.2693, 0.3563, 0.5553



25.2693, 0.1913, 0.4305



25.2693, 0.2309, 0.1716



25.2693, 0.4278, 0.2455

Sweetspot

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



25.2704, 0.3563, 0.5553



51.9789, 0.3386, 0.4080



9.6116, 0.5764, 0.3805



11.3588, 0.3416, 0.4187



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



25.2704, 0.3563, 0.5553



45.1434, 0.3551, 0.5562



22.9376, 0.3041, 0.5967



7.1078, 0.3206, 0.3514



20.9029, 0.3567, 0.5549



0.3331, 0.3850, 0.5325

Inverse Universe

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



3.1710, 0.1816, 0.0774



5.5800, 0.1797, 0.0764



7.2548, 0.2880, 0.1360



6.1329, 0.3043, 0.3064



2.6382, 0.1823, 0.0778



0.0591, 0.2304, 0.1043

Previews

White Background



This preview shows how the Yxy color 25.2693, 0.3563, 0.5553 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 25.2693, 0.3563, 0.5553 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 25.2693, 0.3563, 0.5553

Background



This preview shows how black text looks on a background with the Yxy color 25.2693, 0.3563, 0.5553.



This preview shows how white text looks on a background with the Yxy color 25.2693, 0.3563, 0.5553.

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

25.2693, 0.3563, 0.5553

Protanopia

25.1455, 0.4397, 0.4891

Deuteranopia

24.9432, 0.4619, 0.4527



Tritanopia

25.1238, 0.2720, 0.3080

Trichromacy



Original Color

25.2693, 0.3563, 0.5553

Protanomaly

24.7133, 0.4086, 0.5138

Deuteranomaly

24.2437, 0.4234, 0.4915

Tritanomaly

24.5038, 0.3164, 0.4207

Monochromacy



Original Color

25.2693, 0.3563, 0.5553

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.1339, 0.3474, 0.4378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2693, 0.3563, 0.5553 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(96, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 153, 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(96, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.2693, 0.3563, 0.5553 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(96, 153, 0) }
```

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

```
.border{ border-color:rgb(96, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 153, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.2693, 0.3563, 0.5553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 153, 0) }
```

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

```
.background{ background-color: rgb(96, 153,  
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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