

Converting Colors

$Y_{xy}(20.6857, 0.3315, 0.5750)$

Have a look what the booklet for
Yxy(20.6857, 0.3315, 0.5750)
contains.

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Color

Yxy(20.7349, 0.3312, 0.5753)

Conversions

Conversions Part 1

Format	Color
Hex	408F00
RGB	64, 143, 0
RGB Percent	25%, 56%, 0%
CMY	0.7490, 0.4392, 1.0000
CMYK	0.55, 0.00, 1.00, 0.44
HSL	93°, 100%, 28%
HSV	93°, 100%, 56%
XYZ	11.9371, 20.7349, 3.3699
YIQ	103.0770, -1.1810, -61.2210

Conversions

Conversions Part 2

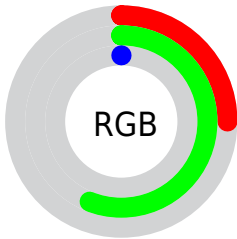
Format	Color
RYB	0, 143, 79
Decimal	4230912
CIELab	52.66, -45.55, 55.58
CIELCh	53, 71.860, 129.333
Yxy	20.7349, 0.3312, 0.5753
Android (android.graphics.Color)	4282420992 (0xFF408F00)
YUV	103.0770, -50.8170, -34.2705
Hunter-Lab	45.5356, -32.8938, 27.4871

Details

The Yxy color **20.7349, 0.3312, 0.5753** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.6449, 0.2148, 0.0957**, and the grayscale version is **13.7240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8705, 0.3363, 0.5182**, and **7.6543, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.7360, 0.3312, 0.5752**, and if you desaturate by 10%, it is **21.0524, 0.3357, 0.5622**.

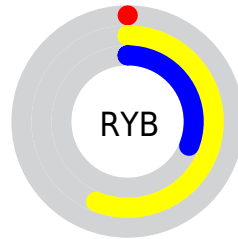
Distribution



Red (25%)

Green (56%)

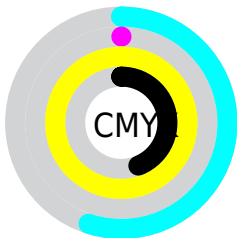
Blue (0%)



Red (0%)

Yellow (56%)

Blue (31%)

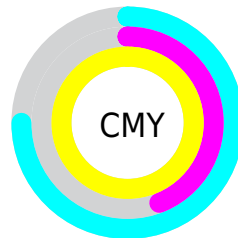


Cyan (55%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (75%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7349, 0.3312, 0.5753 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 20.7349, 0.3312, 0.5753 by changing the saturation by 10% instead.


 20.7349, 0.3312,
0.5753


 20.7349, 0.3312,
0.5753


255.8663, 0.3326,
0.4303


 12.9304, 0.3227,
0.6160


 44.6459, 0.3365,
0.5181

 7.3806, 0.3117,
0.6836


 61.5212, 0.3368,
0.4978

 3.7013, 0.2672,
0.7328

 82.1888, 0.3365,
0.4812

 1.5079, 0.1273,
0.8727

 107.0332, 0.3359,
0.4675


 0.2943, 0.0000,
1.0000

 136.4388, 0.3351,
0.4559

 0.0000, 0.0000,
0.0000

 170.7898, 0.3343,


0.4461


 210.4709, 0.3334,
0.4377


 20.7349, 0.3312,
0.5753


 20.7349, 0.3312,
0.5753


 20.7360, 0.3312,
0.5752

 21.0524, 0.3357,
0.5622

 21.4296, 0.3390,
0.5448

 21.8798, 0.3403,
0.5224

 22.4086, 0.3398,
0.4961

 23.0206, 0.3375,
0.4673

■ 23.7202, 0.3339,
0.4376

■ 24.5112, 0.3293,
0.4081

■ 25.3973, 0.3240,
0.3798

■ 26.3820, 0.3184,
0.3534

Harmonies

Analogous

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



20.7349, 0.4405, 0.5228



20.7349, 0.3312, 0.5753



20.7349, 0.2230, 0.5084

Triad

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



20.7349, 0.3312, 0.5753



20.7349, 0.1226, 0.1688



20.7349, 0.5017, 0.2771

Complementary

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



20.7349, 0.3312, 0.5753



3.6449, 0.2148, 0.0957

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.



20.7349, 0.3733, 0.2125



20.7349, 0.3312, 0.5753



20.7349, 0.1637, 0.1534

Square

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



20.7349, 0.3312, 0.5753



20.7349, 0.1157, 0.2272



20.7349, 0.2469, 0.1690



20.7349, 0.5596, 0.3513

Rectangle

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



20.7349, 0.3312, 0.5753



20.7349, 0.1665, 0.4035



20.7349, 0.2469, 0.1690



20.7349, 0.4635, 0.2540

Sweetspot

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



20.7360, 0.3312, 0.5752



43.7997, 0.3296, 0.4100



11.3816, 0.5235, 0.4226



9.9178, 0.3314, 0.4210



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.



20.7360, 0.3312, 0.5752



37.0351, 0.3297, 0.5764



19.6612, 0.2988, 0.5957



6.1401, 0.3180, 0.3513



18.3462, 0.3315, 0.5750



0.1882, 0.3663, 0.5474

Inverse Universe

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



3.6449, 0.2148, 0.0957



6.4244, 0.2129, 0.0946



7.6132, 0.3336, 0.1611



5.3926, 0.3071, 0.3068



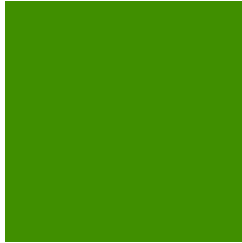
3.2353, 0.2153, 0.0960



0.0440, 0.2619, 0.1216

Previews

White Background



This preview shows how the Yxy color 20.7349, 0.3312, 0.5753 looks on a white background.

Color Contrast Check

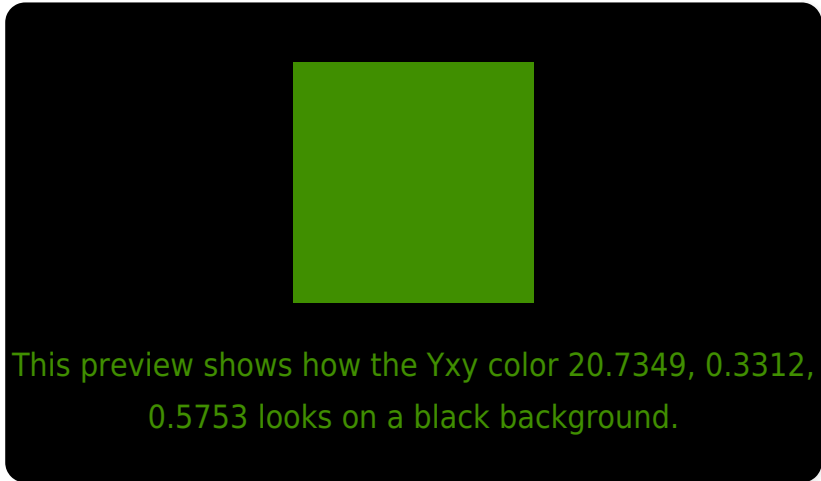
Large Text (above 18pt) WCAG AA ✓ Pass

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

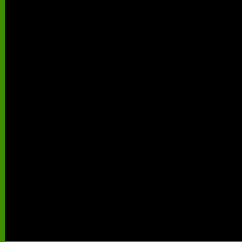
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7349, 0.3312, 0.5753

Background



This preview shows how black text looks on a background with the Yxy color 20.7349, 0.3312, 0.5753.



This preview shows how white text looks on a background with the Yxy color 20.7349, 0.3312, 0.5753.

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

20.7349, 0.3312, 0.5753

Protanopia

20.3300, 0.4403, 0.4886

Deuteranopia

20.4555, 0.4580, 0.4518



Tritanopia

20.7200, 0.2548, 0.3076

Trichromacy



Original Color

20.7349, 0.3312, 0.5753

Protanomaly

20.0132, 0.3949, 0.5247

Deuteranomaly

19.6963, 0.4075, 0.5015

Tritanomaly

20.2418, 0.2936, 0.4263

Monochromacy



Original Color

20.7349, 0.3312, 0.5753

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.4741, 0.3349, 0.4474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7349, 0.3312, 0.5753 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(64, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(64, 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(64, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 143, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.7349, 0.3312, 0.5753 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(64, 143, 0) }
```

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

```
.border{ border-color:rgb(64, 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(64, 143, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(64, 143, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.7349, 0.3312, 0.5753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 143, 0) }
```

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

```
.background{ background-color: rgb(64, 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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