

Converting Colors

$Y_{xy}(20.6625, 0.3346, 0.5767)$

Have a look what the booklet for
Yxy(20.6625, 0.3346, 0.5767)
contains.

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Color

Yxy(20.8032, 0.3329, 0.5739)

Conversions

Conversions Part 1

Format	Color
Hex	428F00
RGB	66, 143, 0
RGB Percent	26%, 56%, 0%
CMY	0.7413, 0.4392, 1.0000
CMYK	0.54, 0.00, 1.00, 0.44
HSL	92°, 100%, 28%
HSV	92°, 100%, 56%
XYZ	12.0672, 20.8032, 3.3784
YIQ	103.6750, 0.0110, -60.7970

Conversions

Conversions Part 2

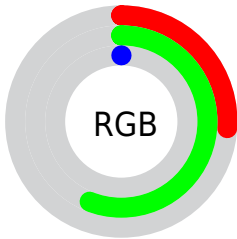
Format	Color
RYB	0, 143, 77
Decimal	4361984
CIELab	52.73, -44.96, 55.66
CIELCh	53, 71.553, 128.933
Yxy	20.8032, 0.3329, 0.5739
Android (android.graphics.Color)	4282552064 (0xFF428F00)
YUV	103.6750, -51.1118, -33.0410
Hunter-Lab	45.6105, -32.5925, 27.5357

Details

The Yxy color **20.8032, 0.3329, 0.5739** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.5630, 0.2120, 0.0942**, and the grayscale version is **13.8892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0165, 0.3379, 0.5173**, and **7.6543, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.8041, 0.3329, 0.5739**, and if you desaturate by 10%, it is **21.1224, 0.3373, 0.5609**.

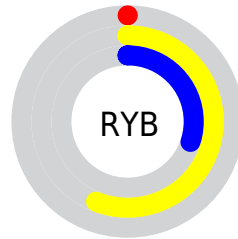
Distribution



Red (26%)

Green (56%)

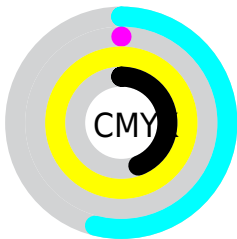
Blue (0%)



Red (0%)

Yellow (56%)

Blue (30%)

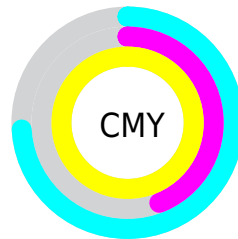


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (74%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8032, 0.3329, 0.5739 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 20.8032, 0.3329, 0.5739 by changing the saturation by 10% instead.


 20.8032, 0.3329,
0.5739

 20.8032, 0.3329,
0.5739


256.2308, 0.3333,
0.4300

 12.9802, 0.3247,
0.6142


 44.7598, 0.3378,
0.5172

 7.4149, 0.3142,
0.6808


 61.6622, 0.3380,
0.4971

 3.7229, 0.2705,
0.7295

 82.3598, 0.3375,
0.4806

 1.5198, 0.1375,
0.8625

 107.2371, 0.3368,
0.4669


 0.3026, 0.0000,
1.0000


 136.6785, 0.3360,
0.4555

 0.0000, 0.0000,
0.0000


 171.0683, 0.3351,


0.4457

 210.7909, 0.3342,
0.4373


 20.8032, 0.3329,
0.5739


 20.8032, 0.3329,
0.5739

 20.8041, 0.3329,
0.5739

 21.1224, 0.3373,
0.5609

 21.4997, 0.3405,
0.5437

 21.9485, 0.3418,
0.5215

 22.4740, 0.3411,
0.4954

 23.0808, 0.3386,
0.4668

■ 23.7731, 0.3348,
0.4373

■ 24.5548, 0.3299,
0.4079

■ 25.4295, 0.3245,
0.3798

■ 26.4005, 0.3186,
0.3533

Harmonies

Analogous

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



20.8032, 0.4416, 0.5211



20.8032, 0.3329, 0.5739



20.8032, 0.2249, 0.5091

Triad

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



20.8032, 0.3329, 0.5739



20.8032, 0.1230, 0.1699



20.8032, 0.4994, 0.2765

Complementary

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



20.8032, 0.3329, 0.5739



3.5630, 0.2120, 0.0942

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.



20.8032, 0.3712, 0.2122



20.8032, 0.3329, 0.5739



20.8032, 0.1635, 0.1540

Square

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



20.8032, 0.3329, 0.5739



20.8032, 0.1166, 0.2290



20.8032, 0.2458, 0.1692



20.8032, 0.5583, 0.3505

Rectangle

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



20.8032, 0.3329, 0.5739



20.8032, 0.1681, 0.4053



20.8032, 0.2458, 0.1692



20.8032, 0.4610, 0.2535

Sweetspot

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



20.8041, 0.3329, 0.5739



43.8752, 0.3303, 0.4098



11.0466, 0.5282, 0.4188



9.9367, 0.3322, 0.4208



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.



20.8041, 0.3329, 0.5739



37.1530, 0.3315, 0.5750



19.6576, 0.2992, 0.5971



6.1436, 0.3182, 0.3513



18.4049, 0.3332, 0.5736



0.1888, 0.3679, 0.5461

Inverse Universe

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



3.5630, 0.2120, 0.0942



6.2773, 0.2100, 0.0931



7.6823, 0.3292, 0.1587



5.3891, 0.3069, 0.3068



3.1626, 0.2125, 0.0944



0.0434, 0.2597, 0.1205

Previews

White Background



This preview shows how the Yxy color 20.8032, 0.3329, 0.5739 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 20.8032, 0.3329, 0.5739 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 20.8032, 0.3329, 0.5739

Background



This preview shows how black text looks on a background with the Yxy color 20.8032, 0.3329, 0.5739.



This preview shows how white text looks on a background with the Yxy color 20.8032, 0.3329, 0.5739.

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

20.8032, 0.3329, 0.5739

Protanopia

20.5844, 0.4389, 0.4897

Deuteranopia

20.5565, 0.4592, 0.4510



Tritanopia

20.8149, 0.2565, 0.3077

Trichromacy



Original Color

20.8032, 0.3329, 0.5739

Protanomaly

20.0799, 0.3962, 0.5237

Deuteranomaly

19.8453, 0.4101, 0.4995

Tritanomaly

20.3263, 0.2954, 0.4258

Monochromacy



Original Color

20.8032, 0.3329, 0.5739

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.5239, 0.3362, 0.4469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8032, 0.3329, 0.5739 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(66, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 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(66, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 143, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.8032, 0.3329, 0.5739 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(66, 143, 0) }
```

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

```
.border{ border-color:rgb(66, 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(66, 143, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(66, 143, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.8032, 0.3329, 0.5739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 143, 0) }
```

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

```
.background{ background-color: rgb(66, 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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