

Converting Colors

$Y_{xy}(20.2513, 0.3281, 0.6071)$

Have a look what the booklet for
Yxy(20.2513, 0.3281, 0.6071)
contains.

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Color

Yxy(20.3487, 0.3208, 0.5835)

Conversions

Conversions Part 1

Format	Color
Hex	338F00
RGB	51, 143, 0
RGB Percent	20%, 56%, 0%
CMY	0.8000, 0.4392, 1.0000
CMYK	0.64, 0.00, 1.00, 0.44
HSL	99°, 100%, 28%
HSV	99°, 100%, 56%
XYZ	11.1874, 20.3487, 3.3374
YIQ	99.1900, -8.9290, -63.9770

Conversions

Conversions Part 2

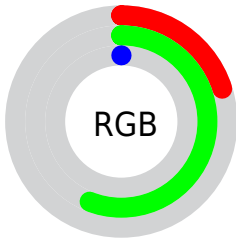
Format	Color
RYB	0, 143, 92
Decimal	3378944
CIELab	52.23, -49.05, 55.05
CIELCh	52, 73.731, 131.705
Yxy	20.3487, 0.3208, 0.5835
Android (android.graphics.Color)	4281569024 (0xFF338F00)
YUV	99.1900, -48.9007, -42.2626
Hunter-Lab	45.1095, -34.6726, 27.1901

Details

The Yxy color **20.3487, 0.3208, 0.5835** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.2590, 0.2346, 0.1066**, and the grayscale version is **12.6556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1205, 0.3281, 0.5233**, and **7.4822, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.3496, 0.3208, 0.5835**, and if you desaturate by 10%, it is **20.6452, 0.3253, 0.5701**.

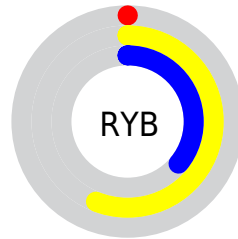
Distribution



Red (20%)

Green (56%)

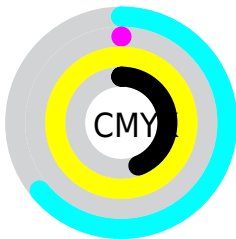
Blue (0%)



Red (0%)

Yellow (56%)

Blue (36%)

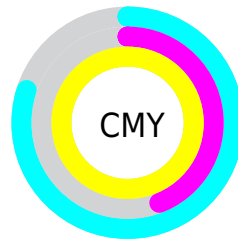


Cyan (64%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (80%)


Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3487, 0.3208, 0.5835 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 20.3487, 0.3208, 0.5835 by changing the saturation by 10% instead.


 20.3487, 0.3208,
0.5835


 20.3487, 0.3208,
0.5835


253.7966, 0.3284,
0.4322


 12.6488, 0.3103,
0.6268

 44.0010, 0.3287,
0.5233


 7.1871, 0.2967,
0.6998

 60.7222, 0.3298,
0.5021

 3.5794, 0.2477,
0.7523

 81.2193, 0.3302,
0.4848

 1.4412, 0.0584,
0.9416

 105.8766, 0.3301,
0.4706

 0.2468, 0.0000,
1.0000

 135.0787, 0.3298,
0.4586

 0.0000, 0.0000,
0.0000


 169.2097, 0.3294,


0.4485

 208.6542, 0.3289,
0.4398


 20.3487, 0.3208,
0.5835


 20.3487, 0.3208,
0.5835

 20.3496, 0.3208,
0.5835

 20.6452, 0.3253,
0.5701

 21.0124, 0.3290,
0.5520

 21.4647, 0.3310,
0.5284

 22.0082, 0.3315,
0.5007

 22.6487, 0.3305,
0.4705

■ 23.3910, 0.3282,
0.4396

■ 24.2401, 0.3250,
0.4092

■ 25.2000, 0.3212,
0.3803

■ 26.2751, 0.3170,
0.3535

Harmonies

Analogous

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



20.3487, 0.4333, 0.5332



20.3487, 0.3208, 0.5835



20.3487, 0.2118, 0.5038

Triad

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



20.3487, 0.3208, 0.5835



20.3487, 0.1206, 0.1623



20.3487, 0.5158, 0.2809

Complementary

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



20.3487, 0.3208, 0.5835



4.2590, 0.2346, 0.1066

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.



20.3487, 0.3862, 0.2141



20.3487, 0.3208, 0.5835



20.3487, 0.1652, 0.1497

Square

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



20.3487, 0.3208, 0.5835



20.3487, 0.1108, 0.2170



20.3487, 0.2536, 0.1680



20.3487, 0.5667, 0.3564

Rectangle

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



20.3487, 0.3208, 0.5835



20.3487, 0.1568, 0.3920



20.3487, 0.2536, 0.1680



20.3487, 0.4781, 0.2572

Sweetspot

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



20.3496, 0.3208, 0.5835



43.3058, 0.3252, 0.4111



13.2486, 0.5003, 0.4409



9.7950, 0.3265, 0.4225



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.



20.3496, 0.3208, 0.5835



36.3526, 0.3194, 0.5846



19.6931, 0.2965, 0.5873



6.1171, 0.3167, 0.3514



18.0030, 0.3211, 0.5832



0.1837, 0.3550, 0.5564

Inverse Universe

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



4.2590, 0.2346, 0.1066



7.5281, 0.2329, 0.1057



7.2936, 0.3569, 0.1740



5.4161, 0.3084, 0.3069



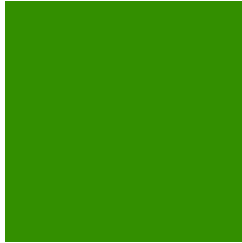
3.7776, 0.2350, 0.1068



0.0485, 0.2756, 0.1292

Previews

White Background



This preview shows how the Yxy color 20.3487, 0.3208, 0.5835 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 20.3487, 0.3208, 0.5835 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 20.3487, 0.3208, 0.5835

Background



This preview shows how black text looks on a background with the Yxy color 20.3487, 0.3208, 0.5835.



This preview shows how white text looks on a background with the Yxy color 20.3487, 0.3208, 0.5835.

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

20.3487, 0.3208, 0.5835

Protanopia

19.9908, 0.4404, 0.4885

Deuteranopia

20.1185, 0.4582, 0.4513



Tritanopia

20.3252, 0.2479, 0.3072

Trichromacy



Original Color

20.3487, 0.3208, 0.5835

Protanomaly

19.4207, 0.3895, 0.5289

Deuteranomaly

19.0773, 0.4020, 0.5053

Tritanomaly

19.8573, 0.2849, 0.4288

Monochromacy



Original Color

20.3487, 0.3208, 0.5835

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

14.4142, 0.3299, 0.4525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3487, 0.3208, 0.5835 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(51, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 143, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.3487, 0.3208, 0.5835 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(51, 143, 0) }
```

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

```
.border{ border-color:rgb(51, 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(51, 143, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(51, 143, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.3487, 0.3208, 0.5835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 143, 0) }
```

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

```
.background{ background-color: rgb(51, 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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