

Converting Colors

$Y_{xy}(20.5799, 0.3286, 0.5603)$

Have a look what the booklet for
Yxy(20.5799, 0.3286, 0.5603)
contains.

Yxy(20.5622, 0.3286, 0.5600)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.5622, 0.3286, 0.5600)

Conversions

Conversions Part 1

Format	Color
Hex	428E16
RGB	66, 142, 22
RGB Percent	26%, 56%, 9%
CMY	0.7411, 0.4431, 0.9138
CMYK	0.54, 0.00, 0.85, 0.44
HSL	98°, 73%, 32%
HSV	98°, 85%, 56%
XYZ	12.0656, 20.5622, 4.0904
YIQ	105.5960, -6.7760, -53.4320

Conversions

Conversions Part 2

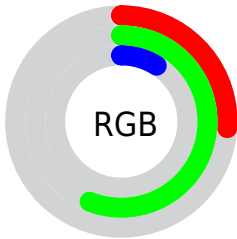
Format	Color
R_{YB}	22, 142, 98
Decimal	4361750
CIE _{Lab}	52.47, -43.83, 51.06
CIE _{LCh}	52, 67.293, 130.639
Yxy	20.5622, 0.3286, 0.5600
Android (android.graphics.Color)	4282551830 (0xFF428E16)
YUV	105.5960, -41.2128, -34.7257
Hunter-Lab	45.3456, -31.8592, 26.3936

Details

The Yxy color **20.5622, 0.3286, 0.5600** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **5.1197, 0.2466, 0.1238**, and the grayscale version is **14.4143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1675, 0.3330, 0.5047**, and **7.4822, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.2341, 0.3243, 0.5754**, and if you desaturate by 10%, it is **20.9710, 0.3314, 0.5388**.

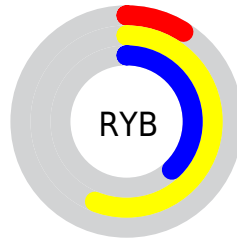
Distribution



Red (26%)

Green (56%)

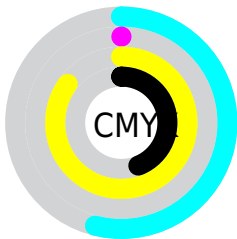
Blue (9%)



Red (9%)

Yellow (56%)

Blue (38%)

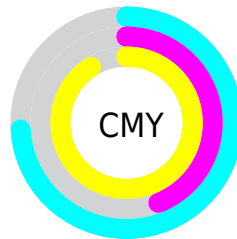


Cyan (54%)

Magenta (0%)

Yellow (85%)

Black (44%)



Cyan (74%)


Magenta (44%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5622, 0.3286, 0.5600 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 20.5622, 0.3286, 0.5600 by changing the saturation by 10% instead.


 20.5622, 0.3286,
0.5600


 20.5622, 0.3286,
0.5600


254.9426, 0.3295,
0.4230

 12.8044, 0.3215,
0.6000


 44.3578, 0.3329,
0.5052


 7.2940, 0.3093,
0.6596


 61.1643, 0.3331,
0.4860


 3.6466, 0.2745,
0.7255

 81.7558, 0.3328,
0.4704

 1.4779, 0.1407,
0.8593

 106.5168, 0.3323,
0.4576


 0.2731, 0.0000,
1.0000


 135.8315, 0.3316,
0.4468


 0.0000, 0.0000,
0.0000


 170.0845, 0.3309,


0.4376


 209.6600, 0.3302,
0.4298


 20.5622, 0.3286,
0.5600


 20.5622, 0.3286,
0.5600


 20.2341, 0.3243,
0.5754


 20.9710, 0.3314,
0.5388

 20.0793, 0.3219,
0.5826

 21.4646, 0.3325,
0.5129

 22.0495, 0.3320,
0.4838

 22.7309, 0.3301,
0.4532

 23.5134, 0.3271,
0.4226

■ 24.4013, 0.3233,
0.3930

■ 25.3986, 0.3192,
0.3653

■ 26.5092, 0.3147,
0.3398

■ 27.7366, 0.3103,
0.3166

Harmonies

Analogous

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



20.5622, 0.4333, 0.5187



20.5622, 0.3286, 0.5600



20.5622, 0.2252, 0.4901

Triad

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



20.5622, 0.3286, 0.5600



20.5622, 0.1315, 0.1751



20.5622, 0.4948, 0.2838

Complementary

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



20.5622, 0.3286, 0.5600



5.1197, 0.2466, 0.1238

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.



20.5622, 0.3760, 0.2205



20.5622, 0.3286, 0.5600



20.5622, 0.1732, 0.1610

Square

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



20.5622, 0.3286, 0.5600



20.5622, 0.1237, 0.2301



20.5622, 0.2553, 0.1773



20.5622, 0.5470, 0.3565

Rectangle

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



20.5622, 0.3286, 0.5600



20.5622, 0.1717, 0.3926



20.5622, 0.2553, 0.1773



20.5622, 0.4598, 0.2612

Sweetspot

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



20.5631, 0.3286, 0.5600



42.8650, 0.3237, 0.3959



14.1726, 0.4788, 0.4383



9.4633, 0.3249, 0.4049



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.5631, 0.3286, 0.5600



35.3219, 0.3206, 0.5837



19.6436, 0.2959, 0.5632



6.1197, 0.3168, 0.3514



18.0379, 0.3222, 0.5824



0.1842, 0.3563, 0.5553

Inverse Universe

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



5.1197, 0.2466, 0.1238



7.1718, 0.2306, 0.1044



7.8821, 0.3458, 0.1777



5.4134, 0.3083, 0.3069



3.7106, 0.2327, 0.1056



0.0480, 0.2741, 0.1283

Previews

White Background



This preview shows how the Yxy color 20.5622, 0.3286, 0.5600 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 20.5622, 0.3286, 0.5600 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 20.5622, 0.3286, 0.5600

Background



This preview shows how black text looks on a background with the Yxy color 20.5622, 0.3286, 0.5600.



This preview shows how white text looks on a background with the Yxy color 20.5622, 0.3286, 0.5600.

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

20.5622, 0.3286, 0.5600

Protanopia

20.2832, 0.4344, 0.4827

Deuteranopia

20.1522, 0.4543, 0.4465



Tritanopia

20.4641, 0.2562, 0.3075

Trichromacy



Original Color

20.5622, 0.3286, 0.5600

Protanomaly

19.7903, 0.3910, 0.5143

Deuteranomaly

19.4886, 0.4031, 0.4908

Tritanomaly

20.1714, 0.2891, 0.4084

Monochromacy



Original Color

20.5622, 0.3286, 0.5600

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.9258, 0.3275, 0.4282

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5622, 0.3286, 0.5600 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, 142, 22)` looks like.

```
.text, #text, p{  
    color:rgb(66, 142, 22)  
}
```

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, 142, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 142, 22) }
```

Border

The CSS property to change the border of an element to Yxy 20.5622, 0.3286, 0.5600 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, 142, 22) }
```

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

```
.border{ border-color:rgb(66, 142, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 142, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 142, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 142, 22);  
box-shadow:4px 4px 4px 4px rgb(66, 142,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5622, 0.3286, 0.5600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 142, 22) }
```

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

```
.background{ background-color: rgb(66, 142,  
22) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor