

Converting Colors

$Y_{xy}(20.3695, 0.2992, 0.5970)$

Have a look what the booklet for
Yxy(20.3695, 0.2992, 0.5970)
contains.

Yxy(20.2618, 0.2992, 0.5971)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.2618, 0.2992, 0.5971)

Conversions

Conversions Part 1

Format	Color
Hex	009105
RGB	0, 145, 5
RGB Percent	0%, 57%, 2%
CMY	0.9999, 0.4314, 0.9804
CMYK	1.00, 0.00, 0.97, 0.43
HSL	122°, 100%, 28%
HSV	122°, 100%, 57%
XYZ	10.1530, 20.2618, 3.5189
YIQ	85.6850, -41.4800, -74.2800

Conversions

Conversions Part 2

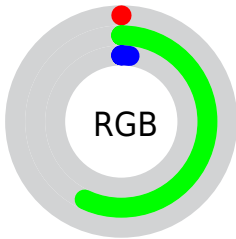
Format	Color
RYB	0, 140, 145
Decimal	37125
CIELab	52.13, -56.43, 53.76
CIELCh	52, 77.942, 136.388
Yxy	20.2618, 0.2992, 0.5971
Android (android.graphics.Color)	4278227205 (0xFF009105)
YUV	85.6850, -39.7777, -75.1457
Hunter-Lab	45.0131, -38.5113, 26.8742

Details

The Yxy color **20.2618, 0.2992, 0.5971** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.9148, 0.3295, 0.1589**, and the grayscale version is **9.3300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7770, 0.3119, 0.5315**, and **7.8287, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.2624, 0.2992, 0.5971**, and if you desaturate by 10%, it is **20.3962, 0.2995, 0.5856**.

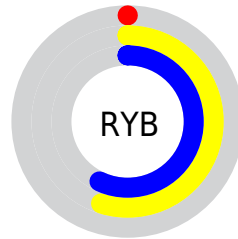
Distribution



Red (0%)

Green (57%)

Blue (2%)



Red (0%)

Yellow (55%)

Blue (57%)

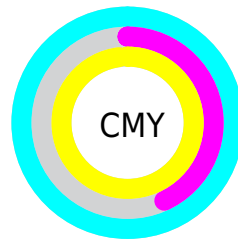


Cyan (100%)

Magenta (0%)

Yellow (97%)

Black (43%)



Cyan (100%)


Magenta (43%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2618, 0.2992, 0.5971 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 20.2618, 0.2992, 0.5971 by changing the saturation by 10% instead.


 20.2618, 0.2992,
0.5971


 20.2618, 0.2992,
0.5971


253.3289, 0.3193,
0.4354


 12.5855, 0.2851,
0.6449


 43.8557, 0.3120,
0.5318


 7.1437, 0.2652,
0.7232


 60.5420, 0.3149,
0.5091


 3.5522, 0.2121,
0.7879

 81.0005, 0.3167,
0.4907

 1.4263, 0.0000,
1.0000

 105.6156, 0.3178,
0.4757

 0.2360, 0.0000,
1.0000


 134.7715, 0.3185,
0.4631


 0.0000, 0.0000,
0.0000


 168.8528, 0.3190,


0.4524


 208.2438, 0.3192,
0.4433


 20.2618, 0.2992,
0.5971


 20.2618, 0.2992,
0.5971


 20.2624, 0.2992,
0.5971

 20.3962, 0.2995,
0.5856

 20.6229, 0.2999,
0.5669

 20.9818, 0.3007,
0.5413

 21.4888, 0.3020,
0.5105

 22.1576, 0.3037,
0.4769

■ 23.0004, 0.3055,
0.4430

■ 24.0282, 0.3074,
0.4104

■ 25.2511, 0.3093,
0.3802

■ 26.6783, 0.3111,
0.3530

Harmonies

Analogous

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



20.2618, 0.4170, 0.5541



20.2618, 0.2992, 0.5971



20.2618, 0.1901, 0.4896

Triad

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



20.2618, 0.2992, 0.5971



20.2618, 0.1182, 0.1509



20.2618, 0.5422, 0.2889

Complementary

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



20.2618, 0.2992, 0.5971



7.9148, 0.3295, 0.1589

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.



20.2618, 0.4136, 0.2186



20.2618, 0.2992, 0.5971



20.2618, 0.1698, 0.1438

Square

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



20.2618, 0.2992, 0.5971



20.2618, 0.1026, 0.1980



20.2618, 0.2692, 0.1671



20.2618, 0.5772, 0.3668

Rectangle

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



20.2618, 0.2992, 0.5971



20.2618, 0.1391, 0.3666



20.2618, 0.2692, 0.1671



20.2618, 0.5070, 0.2643

Sweetspot

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



20.2626, 0.2992, 0.5971



42.9012, 0.3073, 0.4124



25.8418, 0.4136, 0.5098



9.3833, 0.3066, 0.4244



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.



20.2626, 0.2992, 0.5971



36.2804, 0.2994, 0.5979



20.7924, 0.2684, 0.4862



6.0322, 0.3112, 0.3509



17.3800, 0.2991, 0.5969



0.1666, 0.2950, 0.5819

Inverse Universe

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



7.9148, 0.3295, 0.1589



14.1673, 0.3297, 0.1590



6.4339, 0.5057, 0.2560



5.5079, 0.3142, 0.3080



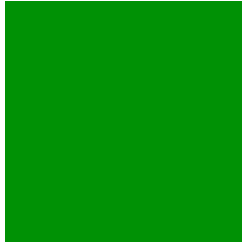
6.7889, 0.3294, 0.1589



0.0656, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 20.2618, 0.2992, 0.5971 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 20.2618, 0.2992, 0.5971 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 20.2618, 0.2992, 0.5971

Background



This preview shows how black text looks on a background with the Yxy color 20.2618, 0.2992, 0.5971.



This preview shows how white text looks on a background with the Yxy color 20.2618, 0.2992, 0.5971.

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

20.2618, 0.2992, 0.5971

Protanopia

19.9908, 0.4404, 0.4885

Deuteranopia

19.8948, 0.4583, 0.4485



Tritanopia

20.3954, 0.2373, 0.3068

Trichromacy



Original Color

20.2618, 0.2992, 0.5971



Protanomaly

18.6308, 0.3640, 0.5477



Deuteranomaly

17.8893, 0.3755, 0.5215



Tritanomaly

19.7228, 0.2647, 0.4301

Monochromacy



Original Color

20.2618, 0.2992, 0.5971



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

11.6230, 0.3040, 0.4666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2618, 0.2992, 0.5971 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(0, 145, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 5)  
}
```

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(0, 145, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 5) }
```

Border

The CSS property to change the border of an element to Yxy 20.2618, 0.2992, 0.5971 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(0, 145, 5) }
```

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

```
.border{ border-color:rgb(0, 145, 5) }
```

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

Here you see how a box with a 4 pixel rgb(0, 145, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 145, 5); box-shadow:4px  
4px 4px 4px rgb(0, 145, 5) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2618, 0.2992, 0.5971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 5) }
```

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

```
.background{ background-color: rgb(0, 145,  
5) }
```

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