

Converting Colors

$Y_{xy}(21.1537, 0.3005, 0.5995)$

Have a look what the booklet for
Yxy(21.1537, 0.3005, 0.5995)
contains.

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Color

Yxy(21.1992, 0.3006, 0.5996)

Conversions

Conversions Part 1

Format	Color
Hex	039400
RGB	3, 148, 0
RGB Percent	1%, 58%, 0%
CMY	0.9879, 0.4196, 1.0000
CMYK	0.98, 0.00, 1.00, 0.42
HSL	119°, 100%, 29%
HSV	119°, 100%, 58%
XYZ	10.6279, 21.1992, 3.5285
YIQ	87.7730, -38.9120, -76.7680

Conversions

Conversions Part 2

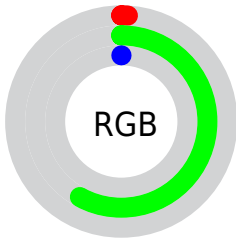
Format	Color
RYB	0, 148, 145
Decimal	234496
CIELab	53.17, -57.25, 55.49
CIELCh	53, 79.729, 135.895
Yxy	21.1992, 0.3006, 0.5996
Android (android.graphics.Color)	4278424576 (0xFF039400)
YUV	87.7730, -43.2721, -74.3459
Hunter-Lab	46.0426, -39.3719, 27.6861

Details

The Yxy color **21.1992, 0.3006, 0.5996** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8.1492, 0.3158, 0.1513**, and the grayscale version is **9.8163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2654, 0.3132, 0.5339**, and **8.1844, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.2003, 0.3006, 0.5995**, and if you desaturate by 10%, it is **21.3389, 0.3012, 0.5888**.

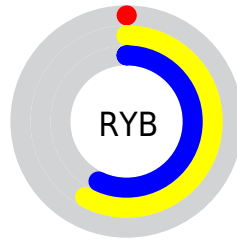
Distribution



Red (1%)

Green (58%)

Blue (0%)



Red (0%)

Yellow (58%)

Blue (57%)

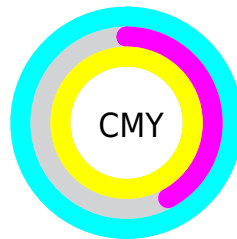


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (99%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1992, 0.3006, 0.5996 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 21.1992, 0.3006, 0.5996 by changing the saturation by 10% instead.


 21.1992, 0.3006,
0.5996


 21.1992, 0.3006,
0.5996


258.3352, 0.3203,
0.4377


 13.2697, 0.2866,
0.6466


 45.4188, 0.3133,
0.5347

 7.6145, 0.2668,
0.7220


 62.4777, 0.3161,
0.5120

 3.8493, 0.2153,
0.7847

 83.3485, 0.3179,
0.4936

 1.5896, 0.0000,
1.0000

 108.4157, 0.3190,
0.4784


 0.3506, 0.0000,
1.0000


 138.0635, 0.3197,
0.4657


 0.0000, 0.0000,
0.0000


 172.6765, 0.3200,


0.4549

 212.6389, 0.3202,
0.4457


 21.1992, 0.3006,
0.5996

 21.1992, 0.3006,
0.5996


 21.2003, 0.3006,
0.5995

 21.3389, 0.3012,
0.5888

 21.5804, 0.3023,
0.5715

 21.9593, 0.3037,
0.5465

 22.4921, 0.3053,
0.5158

 23.1928, 0.3068,
0.4818

■ 24.0739, 0.3083,
0.4470

■ 25.1466, 0.3097,
0.4133

■ 26.4213, 0.3109,
0.3821

■ 27.9076, 0.3119,
0.3539

Harmonies

Analogous

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



21.1992, 0.4189, 0.5537



21.1992, 0.3006, 0.5996



21.1992, 0.1907, 0.4939

Triad

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



21.1992, 0.3006, 0.5996



21.1992, 0.1167, 0.1503



21.1992, 0.5424, 0.2872

Complementary

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



21.1992, 0.3006, 0.5996



8.1492, 0.3158, 0.1513

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.



21.1992, 0.4117, 0.2169



21.1992, 0.3006, 0.5996



21.1992, 0.1678, 0.1428

Square

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



21.1992, 0.3006, 0.5996



21.1992, 0.1016, 0.1983



21.1992, 0.2667, 0.1657



21.1992, 0.5790, 0.3651

Rectangle

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



21.1992, 0.3006, 0.5996



21.1992, 0.1390, 0.3697



21.1992, 0.2667, 0.1657



21.1992, 0.5064, 0.2626

Sweetspot

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



21.2003, 0.3006, 0.5995



44.2457, 0.3096, 0.4153



25.9615, 0.4251, 0.5006



9.9273, 0.3091, 0.4280



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.2003, 0.3006, 0.5995



37.3966, 0.3004, 0.5997



21.6108, 0.2747, 0.5088



6.4739, 0.3119, 0.3518



18.1096, 0.3006, 0.5995



0.2228, 0.3038, 0.5970

Inverse Universe

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



8.1492, 0.3158, 0.1513



14.3687, 0.3157, 0.1513



6.8596, 0.4784, 0.2409



5.9031, 0.3134, 0.3072



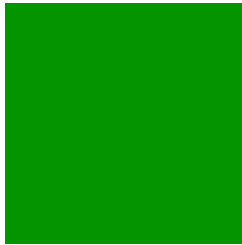
6.9621, 0.3158, 0.1514



0.0868, 0.3186, 0.1529

Previews

White Background



This preview shows how the Yxy color 21.1992, 0.3006, 0.5996 looks on a white background.

Color Contrast Check

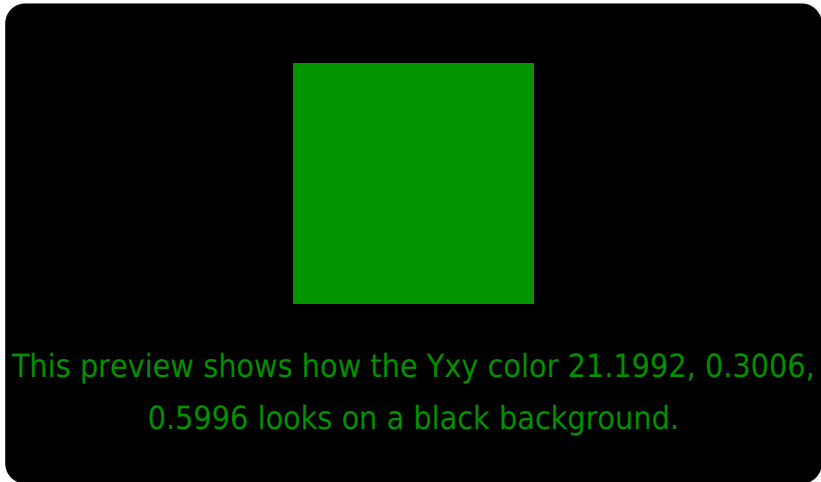
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1992, 0.3006, 0.5996

Background



This preview shows how black text looks on a background with the Yxy color 21.1992, 0.3006, 0.5996.



This preview shows how white text looks on a background with the Yxy color 21.1992, 0.3006, 0.5996.

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

21.1992, 0.3006, 0.5996

Protanopia

21.0184, 0.4400, 0.4889

Deuteranopia

20.9082, 0.4579, 0.4500



Tritanopia

21.3710, 0.2372, 0.3072

Trichromacy



Original Color

21.1992, 0.3006, 0.5996



Protanomaly

19.6033, 0.3655, 0.5480



Deuteranomaly

18.8406, 0.3773, 0.5232



Tritanomaly

20.6436, 0.2667, 0.4351

Monochromacy



Original Color

21.1992, 0.3006, 0.5996



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

12.3072, 0.3070, 0.4737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1992, 0.3006, 0.5996 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(3, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(3, 148, 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(3, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 148, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.1992, 0.3006, 0.5996 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(3, 148, 0) }
```

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

```
.border{ border-color:rgb(3, 148, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 148, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 148, 0); box-shadow:4px  
4px 4px 4px rgb(3, 148, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1992, 0.3006, 0.5996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 148, 0) }
```

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

```
.background{ background-color: rgb(3, 148,  
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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