

Converting Colors

$Y_{xy}(20.8258, 0.3220, 0.6404)$

Have a look what the booklet for
Yxy(20.8258, 0.3220, 0.6404)
contains.

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Color

Yxy(21.1435, 0.3080, 0.5937)

Conversions

Conversions Part 1

Format	Color
Hex	1E9300
RGB	30, 147, 0
RGB Percent	12%, 58%, 0%
CMY	0.8824, 0.4235, 1.0000
CMYK	0.80, 0.00, 1.00, 0.42
HSL	108°, 100%, 29%
HSV	108°, 100%, 58%
XYZ	10.9688, 21.1435, 3.5008
YIQ	95.2590, -22.5450, -70.5210

Conversions

Conversions Part 2

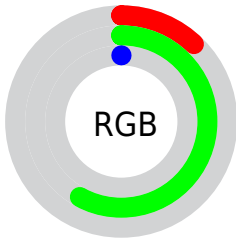
Format	Color
RYB	0, 147, 117
Decimal	2003712
CIELab	53.11, -54.44, 55.55
CIELCh	53, 77.780, 134.420
Yxy	21.1435, 0.3080, 0.5937
Android (android.graphics.Color)	4280193792 (0xFF1E9300)
YUV	95.2590, -46.9627, -57.2321
Hunter-Lab	45.9821, -37.8882, 27.6735

Details

The Yxy color **21.1435, 0.3080, 0.5937** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.8888, 0.2706, 0.1265**, and the grayscale version is **11.6288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2551, 0.3192, 0.5310**, and **8.1844, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.1445, 0.3080, 0.5937**, and if you desaturate by 10%, it is **21.3881, 0.3113, 0.5810**.

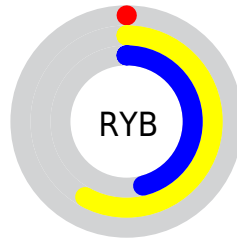
Distribution



Red (12%)

Green (58%)

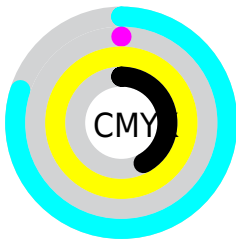
Blue (0%)



Red (0%)

Yellow (58%)

Blue (46%)

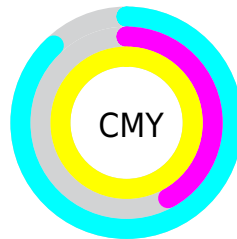


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (88%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1435, 0.3080, 0.5937 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 21.1435, 0.3080, 0.5937 by changing the saturation by 10% instead.


 21.1435, 0.3080,
0.5937


 21.1435, 0.3080,
0.5937


258.0401, 0.3233,
0.4359


 13.2289, 0.2953,
0.6392


 45.3262, 0.3189,
0.5307

 7.5864, 0.2775,
0.7124


 62.3632, 0.3212,
0.5086


 3.8314, 0.2278,
0.7722

 83.2097, 0.3224,
0.4906

 1.5797, 0.0307,
0.9693

 108.2503, 0.3231,
0.4758


 0.3439, 0.0000,
1.0000


 137.8692, 0.3234,
0.4634


 0.0000, 0.0000,
0.0000


 172.4509, 0.3235,


0.4528


 212.3797, 0.3234,
0.4438

 21.1435, 0.3080,
0.5937


 21.1435, 0.3080,
0.5937


 21.1445, 0.3080,
0.5937

 21.3881, 0.3113,
0.5810

 21.7270, 0.3146,
0.5626

 22.1784, 0.3171,
0.5378

 22.7518, 0.3186,
0.5082

 23.4555, 0.3192,
0.4761

■ 24.2973, 0.3189,
0.4432

■ 25.2842, 0.3179,
0.4112

■ 26.4226, 0.3164,
0.3812

■ 27.7188, 0.3147,
0.3537

Harmonies

Analogous

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



21.1435, 0.4243, 0.5461



21.1435, 0.3080, 0.5937



21.1435, 0.1984, 0.4977

Triad

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



21.1435, 0.3080, 0.5937



21.1435, 0.1181, 0.1546



21.1435, 0.5328, 0.2850

Complementary

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



21.1435, 0.3080, 0.5937



5.8888, 0.2706, 0.1265

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.



21.1435, 0.4023, 0.2159



21.1435, 0.3080, 0.5937



21.1435, 0.1668, 0.1453

Square

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



21.1435, 0.3080, 0.5937



21.1435, 0.1049, 0.2050



21.1435, 0.2619, 0.1665



21.1435, 0.5748, 0.3621

Rectangle

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



21.1435, 0.3080, 0.5937



21.1435, 0.1453, 0.3779



21.1435, 0.2619, 0.1665



21.1435, 0.4961, 0.2607

Sweetspot

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



21.1445, 0.3080, 0.5937



45.1614, 0.3180, 0.4131



18.4997, 0.4627, 0.4708



10.1491, 0.3184, 0.4252



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.



21.1445, 0.3080, 0.5937



37.8027, 0.3070, 0.5944



21.0332, 0.2890, 0.5605



6.5221, 0.3145, 0.3516



18.3393, 0.3083, 0.5934



0.2349, 0.3338, 0.5732

Inverse Universe

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



5.8888, 0.2706, 0.1265



10.4692, 0.2696, 0.1259



7.2305, 0.4065, 0.2013



5.8501, 0.3107, 0.3070



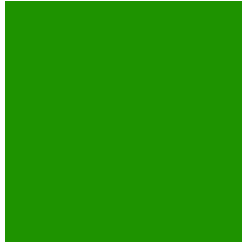
5.1156, 0.2709, 0.1266



0.0747, 0.2965, 0.1407

Previews

White Background



This preview shows how the Yxy color 21.1435, 0.3080, 0.5937 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 21.1435, 0.3080, 0.5937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

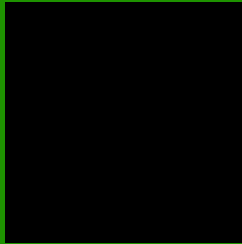
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.1435, 0.3080, 0.5937

Background



This preview shows how black text looks on a background with the Yxy color 21.1435, 0.3080, 0.5937.



This preview shows how white text looks on a background with the Yxy color 21.1435, 0.3080, 0.5937.

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

21.1435, 0.3080, 0.5937

Protanopia

20.6725, 0.4401, 0.4887

Deuteranopia

20.8063, 0.4567, 0.4508



Tritanopia

21.2227, 0.2404, 0.3073

Trichromacy



Original Color

21.1435, 0.3080, 0.5937

Protanomaly

19.8169, 0.3775, 0.5385

Deuteranomaly

19.3953, 0.3891, 0.5146

Tritanomaly

20.6422, 0.2745, 0.4337

Monochromacy



Original Color

21.1435, 0.3080, 0.5937

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

13.7005, 0.3191, 0.4636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1435, 0.3080, 0.5937 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(30, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(30, 147, 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(30, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 147, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.1435, 0.3080, 0.5937 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(30, 147, 0) }
```

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

```
.border{ border-color:rgb(30, 147, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 147, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(30, 147, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.1435, 0.3080, 0.5937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 147, 0) }
```

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

```
.background{ background-color: rgb(30, 147,  
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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