

Converting Colors

$Y_{xy}(28.9014, 0.3031, 0.5975)$

Have a look what the booklet for
Yxy(28.9014, 0.3031, 0.5975)
contains.

Yxy(28.8982, 0.3032, 0.5975)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.8982, 0.3032, 0.5975)

Conversions

Conversions Part 1

Format	Color
Hex	14AA00
RGB	20, 170, 0
RGB Percent	8%, 67%, 0%
CMY	0.9212, 0.3333, 1.0000
CMYK	0.88, 0.00, 1.00, 0.33
HSL	113°, 100%, 33%
HSV	113°, 100%, 67%
XYZ	14.6643, 28.8982, 4.8027
YIQ	105.7700, -34.8300, -84.6700

Conversions

Conversions Part 2

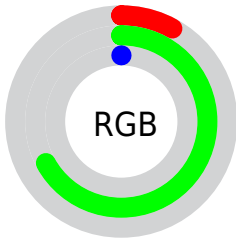
Format	Color
RYB	0, 170, 150
Decimal	1354240
CIELab	60.69, -62.40, 61.56
CIELCh	61, 87.654, 135.386
Yxy	28.8982, 0.3032, 0.5975
Android (android.graphics.Color)	4279544320 (0xFF14AA00)
YUV	105.7700, -52.1446, -75.2203
Hunter-Lab	53.7570, -45.3820, 32.3330

Details

The Yxy color **28.8982, 0.3032, 0.5975** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.3773, 0.2915, 0.1379**, and the grayscale version is **14.5080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1419, 0.3144, 0.5383**, and **12.4908, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.8995, 0.3032, 0.5975**, and if you desaturate by 10%, it is **29.1491, 0.3054, 0.5868**.

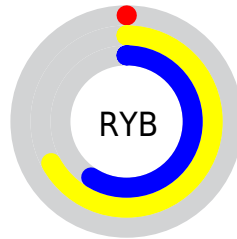
Distribution



Red (8%)

Green (67%)

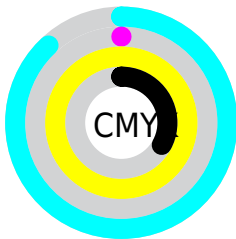
Blue (0%)



Red (0%)

Yellow (67%)

Blue (59%)

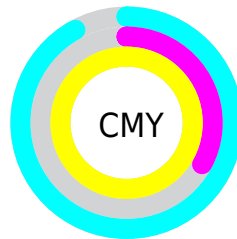


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (92%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8982, 0.3032, 0.5975 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 28.8982, 0.3032, 0.5975 by changing the saturation by 10% instead.


 28.8982, 0.3032,
0.5975


 28.8982, 0.3032,
0.5975


296.7343, 0.3214,
0.4440

 19.0038, 0.2914,
0.6388


 57.9153, 0.3146,
0.5384

 11.6730, 0.2718,
0.6925


 77.8068, 0.3173,
0.5170


 6.5215, 0.2379,
0.7621


 101.7995, 0.3190,
0.4993

 3.1647, 0.1713,
0.8287

 130.2778, 0.3200,
0.4845

 1.2183, 0.0000,
1.0000

 163.6260, 0.3207,
0.4721

 0.0766, 0.0000,
1.0000


 202.2286, 0.3211,


 0.0000, 0.0000,

0.4614

0.0000

 246.4699, 0.3213,
0.4521


 28.8982, 0.3032,
0.5975


 28.8982, 0.3032,
0.5975

 28.8995, 0.3032,
0.5975

 29.1491, 0.3054,
0.5868

 29.5454, 0.3079,
0.5693

 30.1150, 0.3102,
0.5445

 30.8752, 0.3119,
0.5142

 31.8412, 0.3131,
0.4808

■ 33.0266, 0.3138,
0.4466

■ 34.4439, 0.3140,
0.4133

■ 36.1046, 0.3138,
0.3823

■ 38.0194, 0.3134,
0.3541

Harmonies

Analogous

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



28.8982, 0.4208, 0.5510



28.8982, 0.3032, 0.5975



28.8982, 0.1934, 0.4952

Triad

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



28.8982, 0.3032, 0.5975



28.8982, 0.1172, 0.1518



28.8982, 0.5390, 0.2864

Complementary

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



28.8982, 0.3032, 0.5975



9.3773, 0.2915, 0.1379

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.



28.8982, 0.4084, 0.2166



28.8982, 0.3032, 0.5975



28.8982, 0.1674, 0.1437

Square

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



28.8982, 0.3032, 0.5975



28.8982, 0.1028, 0.2006



28.8982, 0.2650, 0.1660



28.8982, 0.5776, 0.3640

Rectangle

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



28.8982, 0.3032, 0.5975



28.8982, 0.1412, 0.3726



28.8982, 0.2650, 0.1660



28.8982, 0.5028, 0.2620

Sweetspot

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



28.8995, 0.3032, 0.5975



62.3431, 0.3140, 0.4151



29.5177, 0.4447, 0.4851



13.6584, 0.3140, 0.4285



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



28.8995, 0.3032, 0.5975



52.3855, 0.3026, 0.5979



29.1013, 0.2837, 0.5412



8.4486, 0.3133, 0.3522



21.2721, 0.3036, 0.5972



0.5301, 0.3177, 0.5859

Inverse Universe

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



9.3773, 0.2915, 0.1379



16.9514, 0.2909, 0.1376



9.6218, 0.4396, 0.2195



7.6210, 0.3119, 0.3066



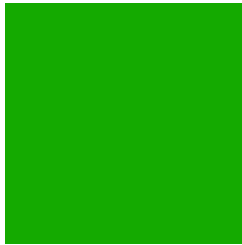
6.9138, 0.2918, 0.1381



0.1804, 0.3021, 0.1438

Previews

White Background



This preview shows how the Yxy color 28.8982, 0.3032, 0.5975 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 28.8982, 0.3032, 0.5975 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 28.8982, 0.3032, 0.5975

Background



This preview shows how black text looks on a background with the Yxy color 28.8982, 0.3032, 0.5975.



This preview shows how white text looks on a background with the Yxy color 28.8982, 0.3032, 0.5975.

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

28.8982, 0.3032, 0.5975

Protanopia

28.4503, 0.4398, 0.4890

Deuteranopia

28.3778, 0.4593, 0.4502



Tritanopia

28.8105, 0.2374, 0.3063

Trichromacy



Original Color

28.8982, 0.3032, 0.5975



Protanomaly

26.8874, 0.3717, 0.5431



Deuteranomaly

26.1637, 0.3843, 0.5187



Tritanomaly

27.7291, 0.2694, 0.4343

Monochromacy



Original Color

28.8982, 0.3032, 0.5975



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

17.6016, 0.3141, 0.4700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8982, 0.3032, 0.5975 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(20, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(20, 170, 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(20, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 170, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.8982, 0.3032, 0.5975 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(20, 170, 0) }
```

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

```
.border{ border-color:rgb(20, 170, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(20, 170, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.8982, 0.3032, 0.5975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 170, 0) }
```

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

```
.background{ background-color: rgb(20, 170,  
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](#).

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