

Converting Colors

$Y_{xy}(27.8152, 0.4111, 0.5118)$

Have a look what the booklet for
Yxy(27.8152, 0.4111, 0.5118)
contains.

Yxy(27.6523, 0.4113, 0.5116)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.6523, 0.4113, 0.5116)

Conversions

Conversions Part 1

Format	Color
Hex	8F9600
RGB	143, 150, 0
RGB Percent	56%, 59%, 0%
CMY	0.4393, 0.4117, 0.9997
CMYK	0.05, 0.00, 1.00, 0.41
HSL	63°, 100%, 29%
HSV	63°, 100%, 59%
XYZ	22.2310, 27.6523, 4.1673
YIQ	130.8070, 43.9780, -48.1340

Conversions

Conversions Part 2

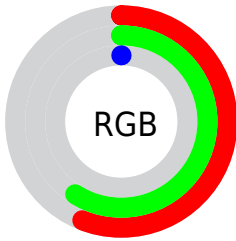
Format	Color
RYB	0, 150, 7
Decimal	9410048
CIELab	59.57, -17.68, 62.90
CIELCh	60, 65.336, 105.701
Yxy	27.6523, 0.4113, 0.5116
Android (android.graphics.Color)	4287600128 (0xFF8F9600)
YUV	130.8070, -64.4879, 10.6933
Hunter-Lab	52.5855, -16.5619, 32.1112

Details

The Yxy color **27.6523, 0.4113, 0.5116** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.2496, 0.1519, 0.0611**, and the grayscale version is **22.8494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9330, 0.3982, 0.4781**, and **10.9984, 0.4010, 0.5198** is the 20% darker color. If you saturate the color by 10%, you get **27.6532, 0.4113, 0.5116**, and if you desaturate by 10%, it is **27.7511, 0.4093, 0.5062**.

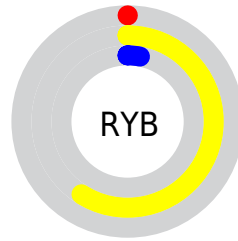
Distribution



Red (56%)

Green (59%)

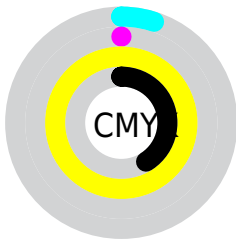
Blue (0%)



Red (0%)

Yellow (59%)

Blue (3%)

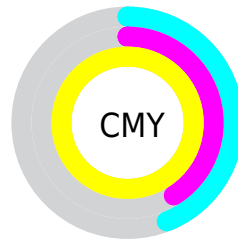


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (41%)



Cyan (44%)


Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6523, 0.4113, 0.5116 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 27.6523, 0.4113, 0.5116 by changing the saturation by 10% instead.


 27.6523, 0.4113,
0.5116


 27.6523, 0.4113,
0.5116


290.8017, 0.3677,
0.4171


 18.0637, 0.4169,
0.5325


 55.9288, 0.3986,
0.4783


 10.9957, 0.4221,
0.5590


 75.3856, 0.3927,
0.4653

 6.0640, 0.4173,
0.5827

 98.9005, 0.3873,
0.4542

 2.8840, 0.3969,
0.6031

 126.8580, 0.3825,
0.4446


 1.0715, 0.3495,
0.6505


 159.6425, 0.3782,
0.4363

 0.0000, 0.0000,
0.0000


 197.6384, 0.3743,


0.4291


 241.2300, 0.3708,
0.4227


 27.6523, 0.4113,
0.5116


 27.6523, 0.4113,
0.5116


 27.6532, 0.4113,
0.5116

 27.7511, 0.4093,
0.5062

 27.8740, 0.4056,
0.4977

 28.0337, 0.3993,
0.4851

 28.2349, 0.3906,
0.4685

 28.4815, 0.3799,
0.4485

■ 28.7769, 0.3676,
0.4261

■ 29.1243, 0.3542,
0.4021

■ 29.5266, 0.3403,
0.3774

■ 29.9863, 0.3263,
0.3528

Harmonies

Analogous

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



27.6523, 0.4891, 0.4451



27.6523, 0.4113, 0.5116



27.6523, 0.3150, 0.5275

Triad

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



27.6523, 0.4113, 0.5116



27.6523, 0.1394, 0.2306



27.6523, 0.3888, 0.2401

Complementary

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



27.6523, 0.4113, 0.5116



2.2496, 0.1519, 0.0611

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.



27.6523, 0.2786, 0.1960



27.6523, 0.4113, 0.5116



27.6523, 0.1515, 0.1856

Square

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



27.6523, 0.4113, 0.5116



27.6523, 0.1614, 0.3232



27.6523, 0.1967, 0.1766



27.6523, 0.4866, 0.3015

Rectangle

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



27.6523, 0.4113, 0.5116



27.6523, 0.2514, 0.4847



27.6523, 0.1967, 0.1766



27.6523, 0.3507, 0.2230

Sweetspot

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



27.6536, 0.4113, 0.5116



51.3482, 0.3551, 0.4036



6.5951, 0.6369, 0.3324



11.3259, 0.3602, 0.4129



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.



27.6536, 0.4113, 0.5116



48.7723, 0.4111, 0.5117



23.1199, 0.3333, 0.5735



6.7309, 0.3253, 0.3509



22.9353, 0.4114, 0.5116



0.2842, 0.4156, 0.5082

Inverse Universe

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



2.2496, 0.1519, 0.0611



3.9447, 0.1514, 0.0607



3.9109, 0.2106, 0.0934



5.6452, 0.2996, 0.3062



1.8680, 0.1520, 0.0611



0.0254, 0.1620, 0.0666

Previews

White Background



This preview shows how the Yxy color 27.6523, 0.4113, 0.5116 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 27.6523, 0.4113, 0.5116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

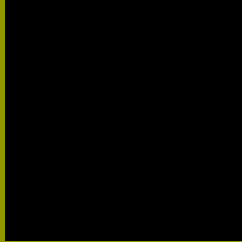
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6523, 0.4113, 0.5116

Background



This preview shows how black text looks on a background with the Yxy color 27.6523, 0.4113, 0.5116.



This preview shows how white text looks on a background with the Yxy color 27.6523, 0.4113, 0.5116.

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

27.6523, 0.4113, 0.5116

Protanopia

27.6279, 0.4401, 0.4888

Deuteranopia

27.4980, 0.4654, 0.4566



Tritanopia

27.4396, 0.3168, 0.3118

Trichromacy



Original Color

27.6523, 0.4113, 0.5116

Protanomaly

27.5263, 0.4297, 0.4970

Deuteranomaly

27.2997, 0.4465, 0.4771

Tritanomaly

26.8607, 0.3686, 0.4078

Monochromacy



Original Color

27.6523, 0.4113, 0.5116

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.9524, 0.3666, 0.4253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6523, 0.4113, 0.5116 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(143, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 150, 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(143, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 150, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.6523, 0.4113, 0.5116 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(143, 150, 0) }
```

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

```
.border{ border-color:rgb(143, 150, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 150, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 150,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6523, 0.4113, 0.5116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 150, 0) }
```

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

```
.background{ background-color: rgb(143,  
150, 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