

Converting Colors

$Y_{xy}(27.6526, 0.4184, 0.5543)$

Have a look what the booklet for
Yxy(27.6526, 0.4184, 0.5543)
contains.

Yxy(28.0167, 0.4002, 0.5204)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.0167, 0.4002, 0.5204)

Conversions

Conversions Part 1

Format	Color
Hex	889900
RGB	136, 153, 0
RGB Percent	53%, 60%, 0%
CMY	0.4667, 0.4000, 0.9996
CMYK	0.11, 0.00, 1.00, 0.40
HSL	67°, 100%, 30%
HSV	67°, 100%, 60%
XYZ	21.5455, 28.0167, 4.2746
YIQ	130.4750, 38.9810, -51.1870

Conversions

Conversions Part 2

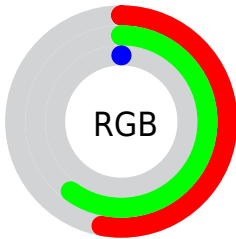
Format	Color
RYB	0, 153, 17
Decimal	8952064
CIELab	59.90, -22.31, 62.89
CIELCh	60, 66.733, 109.527
Yxy	28.0167, 0.4002, 0.5204
Android (android.graphics.Color)	4287142144 (0xFF889900)
YUV	130.4750, -64.3242, 4.8454
Hunter-Lab	52.9308, -19.9704, 32.2634

Details

The Yxy color **28.0167, 0.4002, 0.5204** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.4222, 0.1546, 0.0626**, and the grayscale version is **22.7279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4310, 0.3902, 0.4843**, and **11.2966, 0.3869, 0.5310** is the 20% darker color. If you saturate the color by 10%, you get **28.0169, 0.4002, 0.5204**, and if you desaturate by 10%, it is **28.1970, 0.3994, 0.5139**.

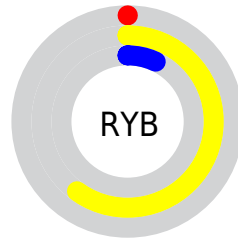
Distribution



Red (53%)

Green (60%)

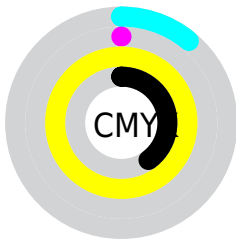
Blue (0%)



Red (0%)

Yellow (60%)

Blue (7%)

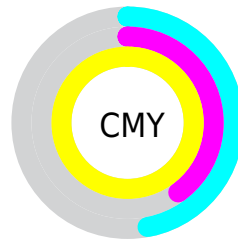


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (47%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0167, 0.4002, 0.5204 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 28.0167, 0.4002, 0.5204 by changing the saturation by 10% instead.


 28.0167, 0.4002,
0.5204


 28.0167, 0.4002,
0.5204


292.5467, 0.3630,
0.4200


 18.3382, 0.4040,
0.5433


 56.5111, 0.3899,
0.4845


 11.1931, 0.4065,
0.5724


 76.0958, 0.3849,
0.4707


 6.1969, 0.3990,
0.6010

 99.7515, 0.3803,
0.4589

 2.9652, 0.3734,
0.6266

 127.8624, 0.3761,
0.4488

 1.1136, 0.3088,
0.6912


 160.8130, 0.3723,
0.4401


 0.0000, 0.0000,
0.0000


 198.9876, 0.3689,


0.4325


 242.7707, 0.3658,
0.4258


 28.0167, 0.4002,
0.5204


 28.0167, 0.4002,
0.5204


 28.0169, 0.4002,
0.5204

 28.1970, 0.3994,
0.5139

 28.4045, 0.3967,
0.5042

 28.6525, 0.3916,
0.4902

 28.9458, 0.3840,
0.4723

 29.2886, 0.3745,
0.4512

■ 29.6843, 0.3633,
0.4277

■ 30.1365, 0.3510,
0.4030

■ 30.6480, 0.3382,
0.3777

■ 31.2216, 0.3253,
0.3528

Harmonies

Analogous

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



28.0167, 0.4830, 0.4556



28.0167, 0.4002, 0.5204



28.0167, 0.3018, 0.5265

Triad

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



28.0167, 0.4002, 0.5204



28.0167, 0.1370, 0.2207



28.0167, 0.4046, 0.2460

Complementary

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



28.0167, 0.4002, 0.5204



2.4222, 0.1546, 0.0626

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.



28.0167, 0.2911, 0.1987



28.0167, 0.4002, 0.5204



28.0167, 0.1533, 0.1807

Square

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



28.0167, 0.4002, 0.5204



28.0167, 0.1543, 0.3080



28.0167, 0.2035, 0.1757



28.0167, 0.4983, 0.3094

Rectangle

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



28.0167, 0.4002, 0.5204



28.0167, 0.2388, 0.4746



28.0167, 0.2035, 0.1757



28.0167, 0.3661, 0.2279

Sweetspot

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



28.0180, 0.4002, 0.5204



53.9130, 0.3519, 0.4046



7.1255, 0.6305, 0.3374



11.8335, 0.3566, 0.4142



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



28.0180, 0.4002, 0.5204



50.1232, 0.3998, 0.5207



23.7838, 0.3251, 0.5800



7.1880, 0.3244, 0.3511



23.1636, 0.4003, 0.5203



0.3549, 0.4094, 0.5131

Inverse Universe

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



2.4222, 0.1546, 0.0626



4.2907, 0.1537, 0.0620



4.5692, 0.2245, 0.1011



6.0576, 0.3004, 0.3061



2.0074, 0.1550, 0.0627



0.0376, 0.1771, 0.0749

Previews

White Background



This preview shows how the Yxy color 28.0167, 0.4002, 0.5204 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 28.0167, 0.4002, 0.5204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

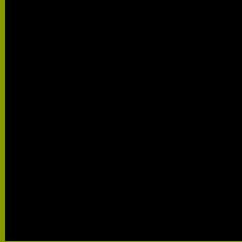
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0167, 0.4002, 0.5204

Background



This preview shows how black text looks on a background with the Yxy color 28.0167, 0.4002, 0.5204.



This preview shows how white text looks on a background with the Yxy color 28.0167, 0.4002, 0.5204.

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

28.0167, 0.4002, 0.5204

Protanopia

28.0373, 0.4399, 0.4889

Deuteranopia

27.9110, 0.4644, 0.4561



Tritanopia

27.8490, 0.3072, 0.3116

Trichromacy



Original Color

28.0167, 0.4002, 0.5204

Protanomaly

27.9521, 0.4250, 0.5007

Deuteranomaly

27.6847, 0.4412, 0.4801

Tritanomaly

27.2605, 0.3582, 0.4109

Monochromacy



Original Color

28.0167, 0.4002, 0.5204

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.7070, 0.3629, 0.4266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0167, 0.4002, 0.5204 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(136, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(136, 153, 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(136, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.0167, 0.4002, 0.5204 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(136, 153, 0) }
```

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

```
.border{ border-color:rgb(136, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(136, 153,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0167, 0.4002, 0.5204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 153, 0) }
```

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

```
.background{ background-color: rgb(136,  
153, 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