

Converting Colors

$Y_{xy}(27.6265, 0.4292, 0.4934)$

Have a look what the booklet for
Yxy(27.6265, 0.4292, 0.4934)
contains.

Yxy(27.6454, 0.4292, 0.4936)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(27.6454, 0.4292, 0.4936)$

Conversions

Conversions Part 1

Format	Color
Hex	9C9209
RGB	156, 146, 9
RGB Percent	61%, 57%, 4%
CMY	0.3882, 0.4274, 0.9652
CMYK	0.00, 0.06, 0.94, 0.39
HSL	56°, 89%, 32%
HSV	56°, 94%, 61%
XYZ	24.0385, 27.6454, 4.3238
YIQ	133.3720, 49.9370, -40.4870

Conversions

Conversions Part 2

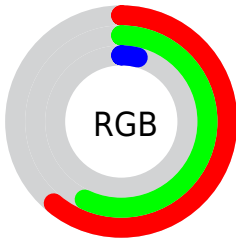
Format	Color
R _Y B	20, 156, 9
Decimal	10261001
CIE Lab	59.57, -9.52, 62.05
CIE LCh	60, 62.781, 98.723
Yxy	27.6454, 0.4292, 0.4936
Android (android.graphics.Color)	4288451081 (0xFF9C9209)
YUV	133.3720, -61.3154, 19.8448
Hunter-Lab	52.5789, -10.4048, 31.9295

Details

The Yxy color **27.6454, 0.4292, 0.4936** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.9194, 0.1549, 0.0713**, and the grayscale version is **23.8089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1127, 0.4116, 0.4651**, and **11.0751, 0.4260, 0.4999** is the 20% darker color. If you saturate the color by 10%, you get **27.4416, 0.4315, 0.4955**, and if you desaturate by 10%, it is **28.0237, 0.4240, 0.4885**.

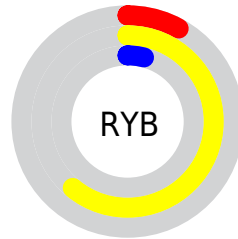
Distribution



Red (61%)

Green (57%)

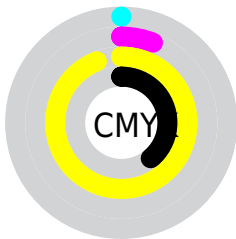
Blue (4%)



Red (8%)

Yellow (61%)

Blue (4%)

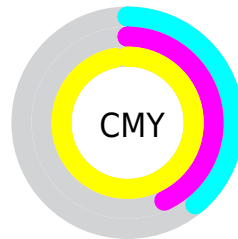


Cyan (0%)

Magenta (6%)

Yellow (94%)

Black (39%)



Cyan (39%)

Magenta (43%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6454, 0.4292, 0.4936 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 27.6454, 0.4292, 0.4936 by changing the saturation by 10% instead.


 27.6454, 0.4292,
0.4936


 27.6454, 0.4292,
0.4936


290.7686, 0.3749,
0.4107


 18.0585, 0.4381,
0.5108


 55.9178, 0.4122,
0.4651

 10.9920, 0.4475,
0.5317


 75.3721, 0.4048,
0.4538


 6.0615, 0.4502,
0.5498

 98.8844, 0.3982,
0.4440

 2.8825, 0.4395,
0.5605

 126.8390, 0.3924,
0.4355

 1.0707, 0.4197,
0.5803

 159.6203, 0.3873,
0.4280

 0.0000, 0.0000,
0.0000


 197.6128, 0.3827,


0.4215


 241.2007, 0.3786,
0.4158


 27.6454, 0.4292,
0.4936


 27.6454, 0.4292,
0.4936


 27.4416, 0.4315,
0.4955

 28.0237, 0.4240,
0.4885

 28.4409, 0.4163,
0.4792

 28.9041, 0.4060,
0.4658

 29.4179, 0.3937,
0.4488

 29.9862, 0.3797,
0.4289

■ 30.6126, 0.3647,
0.4071

■ 31.3005, 0.3492,
0.3843

■ 32.0528, 0.3339,
0.3612

■ 32.8724, 0.3189,
0.3385

Harmonies

Analogous

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



27.6454, 0.4962, 0.4262



27.6454, 0.4292, 0.4936



27.6454, 0.3383, 0.5233

Triad

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



27.6454, 0.4292, 0.4936



27.6454, 0.1464, 0.2511



27.6454, 0.3607, 0.2312

Complementary

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



27.6454, 0.4292, 0.4936



2.9194, 0.1549, 0.0713

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.



27.6454, 0.2585, 0.1933



27.6454, 0.4292, 0.4936



27.6454, 0.1506, 0.1970

Square

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



27.6454, 0.4292, 0.4936



27.6454, 0.1769, 0.3509



27.6454, 0.1871, 0.1805



27.6454, 0.4621, 0.2881

Rectangle

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



27.6454, 0.4292, 0.4936



27.6454, 0.2752, 0.4968



27.6454, 0.1871, 0.1805



27.6454, 0.3244, 0.2160

Sweetspot

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



27.6467, 0.4292, 0.4936



56.3033, 0.3558, 0.3940



7.3157, 0.6155, 0.3229



12.2799, 0.3620, 0.4032



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



27.6467, 0.4292, 0.4936



49.7226, 0.4318, 0.4953



26.2146, 0.3517, 0.5545



7.6431, 0.3262, 0.3496



22.6227, 0.4315, 0.4956



0.4252, 0.4261, 0.4999

Inverse Universe

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



2.9194, 0.1549, 0.0713



4.6701, 0.1511, 0.0638



3.9020, 0.1950, 0.0881



6.5041, 0.2987, 0.3075



2.1878, 0.1516, 0.0657



0.0579, 0.1590, 0.0924

Previews

White Background



This preview shows how the Yxy color 27.6454, 0.4292, 0.4936 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 27.6454, 0.4292, 0.4936 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 27.6454, 0.4292, 0.4936

Background



This preview shows how black text looks on a background with the Yxy color 27.6454, 0.4292, 0.4936.



This preview shows how white text looks on a background with the Yxy color 27.6454, 0.4292, 0.4936.

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

27.6454, 0.4292, 0.4936

Protanopia

27.6432, 0.4388, 0.4869

Deuteranopia

27.4900, 0.4661, 0.4575



Tritanopia

27.6830, 0.3347, 0.3140

Trichromacy



Original Color

27.6454, 0.4292, 0.4936

Protanomaly

27.7419, 0.4351, 0.4893

Deuteranomaly

27.5673, 0.4527, 0.4711

Tritanomaly

27.2821, 0.3846, 0.3976

Monochromacy



Original Color

27.6454, 0.4292, 0.4936

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.5443, 0.3688, 0.4146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6454, 0.4292, 0.4936 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(156, 146, 9)` looks like.

```
.text, #text, p{  
    color:rgb(156, 146, 9)  
}
```

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(156, 146, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 146, 9) }
```

Border

The CSS property to change the border of an element to Yxy 27.6454, 0.4292, 0.4936 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(156, 146, 9) }
```

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

```
.border{ border-color:rgb(156, 146, 9) }
```

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

Here you see how a box with a 4 pixel rgb(156, 146, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 146, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 146, 9);  
box-shadow:4px 4px 4px 4px rgb(156, 146,  
9) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6454, 0.4292, 0.4936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 146, 9) }
```

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

```
.background{ background-color: rgb(156,  
146, 9) }
```

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