

Converting Colors

$Yxy(25.0037, 0.2811, 0.5219)$

Have a look what the booklet for
Yxy(25.0037, 0.2811, 0.5219)
contains.

Yxy(24.9691, 0.2812, 0.5219)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.9691, 0.2812, 0.5219)

Conversions

Conversions Part 1

Format	Color
Hex	109E43
RGB	16, 158, 67
RGB Percent	6%, 62%, 26%
CMY	0.9373, 0.3804, 0.7373
CMYK	0.90, 0.00, 0.58, 0.38
HSL	142°, 82%, 34%
HSV	142°, 90%, 62%
XYZ	13.4534, 24.9691, 9.4202
YIQ	105.1680, -55.4210, -58.4050

Conversions

Conversions Part 2

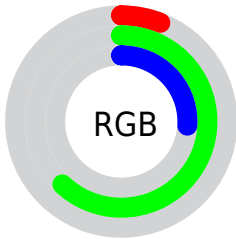
Format	Color
RYB	16, 120, 158
Decimal	1089091
CIELab	57.05, -54.27, 37.48
CIElCh	57, 65.960, 145.370
Yxy	24.9691, 0.2812, 0.5219
Android (android.graphics.Color)	4279279171 (0xFF109E43)
YUV	105.1680, -18.8168, -78.2003
Hunter-Lab	49.9691, -39.3877, 23.8009

Details

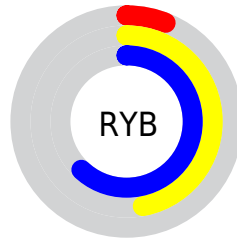
The Yxy color **24.9691, 0.2812, 0.5219** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.7009, 0.4200, 0.2157**, and the grayscale version is **14.2370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6765, 0.2915, 0.4748**, and **10.1406, 0.2946, 0.5807** is the 20% darker color. If you saturate the color by 10%, you get **24.7502, 0.2839, 0.5420**, and if you desaturate by 10%, it is **25.2961, 0.2796, 0.4996**.

Distribution



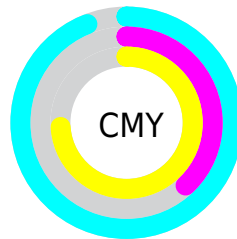
- Red (6%)
- Green (62%)
- Blue (26%)



- Red (6%)
- Yellow (47%)
- Blue (62%)



- Cyan (90%)
- Magenta (0%)
- Yellow (58%)
- Black (38%)





- Cyan (94%)
- Magenta (38%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9691, 0.2812, 0.5219 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 24.9691, 0.2812, 0.5219 by changing the saturation by 10% instead.


 24.9691, 0.2812,
0.5219


 24.9691, 0.2812,
0.5219


277.6840, 0.3041,
0.4072


 16.0540, 0.2716,
0.5576


 51.6071, 0.2920,
0.4752

 9.5624, 0.2562,
0.6078


 70.0988, 0.2952,
0.4592

 5.1098, 0.2303,
0.6841

 92.5515, 0.2977,
0.4463

 2.3118, 0.1685,
0.8315

 119.3496, 0.2995,
0.4357

 0.7800, 0.0000,
1.0000

 150.8776, 0.3011,
0.4268

 0.0000, 0.0000,
0.0000

 187.5197, 0.3023,

0.4193

229.6604, 0.3033,
0.4128

■ 24.9691, 0.2812,
0.5219

■ 24.9691, 0.2812,
0.5219

■ 24.7502, 0.2839,
0.5420

■ 25.2961, 0.2796,
0.4996

■ 24.7478, 0.2840,
0.5422

■ 25.7654, 0.2798,
0.4757

■ 26.3944, 0.2817,
0.4512

■ 27.1972, 0.2850,
0.4271

■ 28.1861, 0.2894,
0.4039

■ 29.3725, 0.2947,
0.3824

■ 30.7666, 0.3005,
0.3626

■ 32.3780, 0.3066,
0.3447

■ 34.2159, 0.3128,
0.3288

Harmonies

Analogous

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



24.9691, 0.3821, 0.5331



24.9691, 0.2812, 0.5219



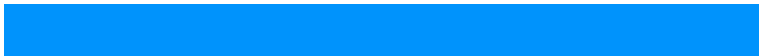
24.9691, 0.1939, 0.4120

Triad

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



24.9691, 0.2812, 0.5219



24.9691, 0.1573, 0.1741



24.9691, 0.5146, 0.3219

Complementary

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



24.9691, 0.2812, 0.5219



8.7009, 0.4200, 0.2157

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.



24.9691, 0.4292, 0.2556



24.9691, 0.2812, 0.5219



24.9691, 0.2154, 0.1751

Square

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



24.9691, 0.2812, 0.5219



24.9691, 0.1343, 0.2066



24.9691, 0.3119, 0.2036



24.9691, 0.5259, 0.3949

Rectangle

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



24.9691, 0.2812, 0.5219



24.9691, 0.1563, 0.3235



24.9691, 0.3119, 0.2036



24.9691, 0.4933, 0.2989

Sweetspot

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



24.9701, 0.2812, 0.5219



53.8995, 0.2960, 0.3775



27.6990, 0.3629, 0.5421



11.9811, 0.2942, 0.3841



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



24.9701, 0.2812, 0.5219



44.9050, 0.2849, 0.5456



26.3624, 0.2384, 0.3711



7.4385, 0.3070, 0.3437



19.8266, 0.2835, 0.5407



0.3622, 0.2616, 0.4618

Inverse Universe

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



8.7009, 0.4200, 0.2157



14.8763, 0.4386, 0.2190



7.7750, 0.5873, 0.3122



6.7141, 0.3189, 0.3148



6.5859, 0.4347, 0.2168



0.1256, 0.3796, 0.1865

Previews

White Background



This preview shows how the Yxy color 24.9691, 0.2812, 0.5219 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 24.9691, 0.2812, 0.5219 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 24.9691, 0.2812, 0.5219

Background



This preview shows how black text looks on a background with the Yxy color 24.9691, 0.2812, 0.5219.



This preview shows how white text looks on a background with the Yxy color 24.9691, 0.2812, 0.5219.

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

24.9691, 0.2812, 0.5219

Protanopia

24.5139, 0.4090, 0.4480

Deuteranopia

24.5803, 0.4188, 0.4121



Tritanopia

24.8079, 0.2355, 0.3067

Trichromacy



Original Color

24.9691, 0.2812, 0.5219



Protanomaly

23.1302, 0.3422, 0.4840



Deuteranomaly

22.6036, 0.3469, 0.4585



Tritanomaly

24.5672, 0.2512, 0.3817

Monochromacy



Original Color

24.9691, 0.2812, 0.5219



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.5871, 0.2895, 0.4055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9691, 0.2812, 0.5219 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(16, 158, 67)` looks like.

```
.text, #text, p{  
    color:rgb(16, 158, 67)  
}
```

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(16, 158, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 158, 67) }
```

Border

The CSS property to change the border of an element to Yxy 24.9691, 0.2812, 0.5219 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(16, 158, 67) }
```

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

```
.border{ border-color:rgb(16, 158, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 158, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 158, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 158, 67);  
box-shadow:4px 4px 4px 4px rgb(16, 158,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9691, 0.2812, 0.5219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 158, 67) }
```

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

```
.background{ background-color: rgb(16, 158,  
67) }
```

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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