

Converting Colors

$Y_{xy}(29.8764, 0.3891, 0.5097)$

Have a look what the booklet for
Yxy(29.8764, 0.3891, 0.5097)
contains.

Yxy(29.8764, 0.3891, 0.5097)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.8764, 0.3891, 0.5097)

Conversions

Conversions Part 1

Format	Color
Hex	899E20
RGB	137, 158, 32
RGB Percent	54%, 62%, 13%
CMY	0.4626, 0.3804, 0.8744
CMYK	0.13, 0.00, 0.80, 0.38
HSL	70°, 66%, 37%
HSV	70°, 80%, 62%
XYZ	22.8074, 29.8764, 5.9319
YIQ	137.3570, 27.9300, -43.6380

Conversions

Conversions Part 2

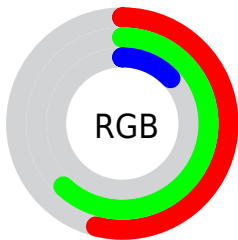
Format	Color
R_{YB}	32, 158, 53
Decimal	9018912
CIE _{Lab}	61.55, -23.55, 57.88
CIE _{LCh}	62, 62.492, 112.139
Yxy	29.8764, 0.3891, 0.5097
Android (android.graphics.Color)	4287208992 (0xFF899E20)
YUV	137.3570, -51.9410, -0.3131
Hunter-Lab	54.6593, -21.1722, 31.8271

Details

The Yxy color **29.8764, 0.3891, 0.5097** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **4.2590, 0.1806, 0.0943**, and the grayscale version is **25.3542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6305, 0.3791, 0.4755**, and **12.3544, 0.3821, 0.5348** is the 20% darker color. If you saturate the color by 10%, you get **29.5918, 0.3908, 0.5205**, and if you desaturate by 10%, it is **30.2103, 0.3849, 0.4945**.

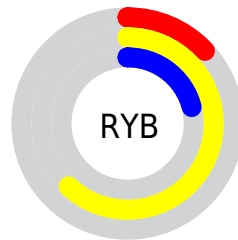
Distribution



Red (54%)

Green (62%)

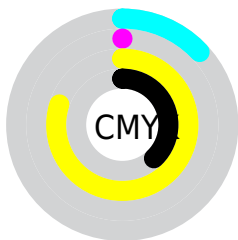
Blue (13%)



Red (13%)

Yellow (62%)

Blue (21%)

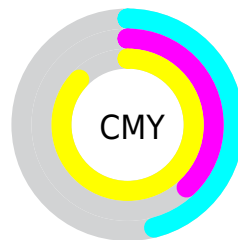


Cyan (13%)

Magenta (0%)

Yellow (80%)

Black (38%)



Cyan (46%)


Magenta (38%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8764, 0.3891, 0.5097 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 29.8764, 0.3891, 0.5097 by changing the saturation by 10% instead.

 29.8764, 0.3891,
0.5097


 29.8764, 0.3891,
0.5097


301.3279, 0.3560,
0.4137


 19.7448, 0.3933,
0.5329


 59.4667, 0.3795,
0.4747


 12.2097, 0.3951,
0.5607


 79.6941, 0.3751,
0.4614

 6.8866, 0.3972,
0.6028


 104.0556, 0.3710,
0.4503

 3.3913, 0.3723,
0.6277

 132.9356, 0.3673,
0.4407

 1.3393, 0.3234,
0.6766

 166.7184, 0.3640,
0.4325

 0.1713, 0.0000,
1.0000

 205.7884, 0.3611,

 0.0000, 0.0000,

0.4254

0.0000

250.5302, 0.3584,
0.4192

■ 29.8764, 0.3891,
0.5097

■ 29.8764, 0.3891,
0.5097

■ 29.5918, 0.3908,
0.5205

■ 30.2103, 0.3849,
0.4945

■ 29.3404, 0.3906,
0.5279

■ 30.5948, 0.3783,
0.4754

■ 29.3339, 0.3906,
0.5281

■ 31.0356, 0.3697,
0.4532

■ 31.5367, 0.3594,
0.4288

■ 32.1017, 0.3481,
0.4034

■ 32.7339, 0.3363,
0.3777

■ 33.4362, 0.3242,
0.3525

■ 34.2117, 0.3124,
0.3284

■ 35.0629, 0.3010,
0.3057

Harmonies

Analogous

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



29.8764, 0.4673, 0.4558



29.8764, 0.3891, 0.5097



29.8764, 0.2968, 0.5041

Triad

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



29.8764, 0.3891, 0.5097



29.8764, 0.1481, 0.2246



29.8764, 0.4064, 0.2568

Complementary

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



29.8764, 0.3891, 0.5097



4.2590, 0.1806, 0.0943

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.



29.8764, 0.3020, 0.2102



29.8764, 0.3891, 0.5097



29.8764, 0.1663, 0.1891

Square

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



29.8764, 0.3891, 0.5097



29.8764, 0.1624, 0.3022



29.8764, 0.2171, 0.1862



29.8764, 0.4882, 0.3181

Rectangle

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



29.8764, 0.3891, 0.5097



29.8764, 0.2386, 0.4520



29.8764, 0.2171, 0.1862



29.8764, 0.3716, 0.2392

Sweetspot

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



29.8778, 0.3891, 0.5097



58.8877, 0.3419, 0.3898



9.7333, 0.5610, 0.3514



13.1903, 0.3459, 0.3985



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.



29.8778, 0.3891, 0.5097



53.3720, 0.3905, 0.5262



26.0983, 0.3281, 0.5533



7.6645, 0.3236, 0.3513



23.5088, 0.3908, 0.5279



0.4339, 0.4030, 0.5182

Inverse Universe

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



4.2590, 0.1806, 0.0943



5.1394, 0.1599, 0.0672



7.0734, 0.2536, 0.1318



6.4857, 0.3012, 0.3061



2.1685, 0.1585, 0.0647



0.0518, 0.1882, 0.0811

Previews

White Background



This preview shows how the Yxy color 29.8764, 0.3891, 0.5097 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 29.8764, 0.3891, 0.5097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

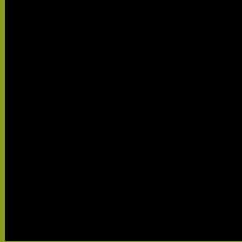
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8764, 0.3891, 0.5097

Background



This preview shows how black text looks on a background with the Yxy color 29.8764, 0.3891, 0.5097.



This preview shows how white text looks on a background with the Yxy color 29.8764, 0.3891, 0.5097.

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

29.8764, 0.3891, 0.5097

Protanopia

29.8041, 0.4322, 0.4785

Deuteranopia

29.6490, 0.4568, 0.4489



Tritanopia

29.7602, 0.3034, 0.3105

Trichromacy



Original Color

29.8764, 0.3891, 0.5097

Protanomaly

29.6233, 0.4163, 0.4897

Deuteranomaly

29.3322, 0.4320, 0.4705

Tritanomaly

29.3452, 0.3430, 0.3913

Monochromacy



Original Color

29.8764, 0.3891, 0.5097

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.4700, 0.3498, 0.4080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8764, 0.3891, 0.5097 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(137, 158, 32)` looks like.

```
.text, #text, p{  
    color:rgb(137, 158, 32)  
}
```

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(137, 158, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 158, 32) }
```

Border

The CSS property to change the border of an element to Yxy 29.8764, 0.3891, 0.5097 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(137, 158, 32) }
```

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

```
.border{ border-color:rgb(137, 158, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 158, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 158, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 158, 32);  
box-shadow:4px 4px 4px 4px rgb(137, 158,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8764, 0.3891, 0.5097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 158, 32) }
```

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

```
.background{ background-color: rgb(137,  
158, 32) }
```

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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