

Converting Colors

$Y_{xy}(10.4901, 0.2169, 0.2993)$

Have a look what the booklet for
Yxy(10.4901, 0.2169, 0.2993)
contains.

Yxy(10.4901, 0.2169, 0.2993)	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

$Y_{xy}(10.4901, 0.2169, 0.2993)$

Conversions

Conversions Part 1

Format	Color
Hex	026570
RGB	2, 101, 112
RGB Percent	1%, 40%, 44%
CMY	0.9928, 0.6039, 0.5607
CMYK	0.98, 0.10, 0.00, 0.56
HSL	186°, 97%, 22%
HSV	186°, 98%, 44%
XYZ	7.6021, 10.4901, 16.9566
YIQ	72.6530, -62.5350, -17.5670

Conversions

Conversions Part 2

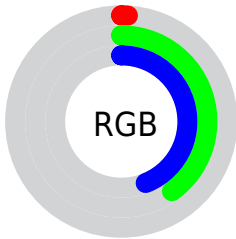
Format	Color
RYB	2, 54, 112
Decimal	157040
CIELab	38.71, -20.38, -13.28
CIELCh	39, 24.327, 213.082
Yxy	10.4901, 0.2169, 0.2993
Android (android.graphics.Color)	4278347120 (0xFF026570)
YUV	72.6530, 19.3981, -61.9627
Hunter-Lab	32.3884, -14.7829, -8.3687

Details

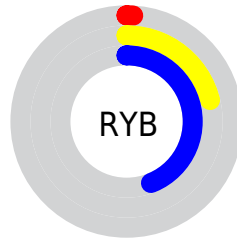
The Yxy color **10.4901, 0.2169, 0.2993** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.7330, 0.6225, 0.3400**, and the grayscale version is **6.5642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6327, 0.2405, 0.3074**, and **3.0085, 0.2124, 0.2847** is the 20% darker color. If you saturate the color by 10%, you get **10.4434, 0.2163, 0.2988**, and if you desaturate by 10%, it is **10.7832, 0.2204, 0.3026**.

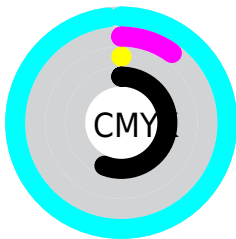
Distribution



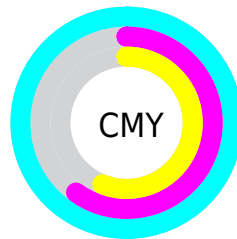
- Red (1%)
- Green (40%)
- Blue (44%)



- Red (1%)
- Yellow (21%)
- Blue (44%)



- Cyan (98%)
- Magenta (10%)
- Yellow (0%)
- Black (56%)





- Cyan (99%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4901, 0.2169, 0.2993 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 10.4901, 0.2169, 0.2993 by changing the saturation by 10% instead.


 10.4901, 0.2169,
0.2993


 10.4901, 0.2169,
0.2993


194.1351, 0.2746,
0.3192


 5.7251, 0.1979,
0.2912

 26.7133, 0.2409,
0.3084

 2.6787, 0.1702,
0.2779


 38.9404, 0.2489,
0.3112

 0.9664, 0.1114,
0.2570

 54.4235, 0.2554,
0.3133

 0.0000, 0.0000,
0.0000


 73.5472, 0.2606,
0.3150

 96.6958, 0.2650,
0.3164


 124.2537, 0.2687,


0.3175


 156.6054, 0.2719,
0.3184


 10.4901, 0.2169,
0.2993


 10.4901, 0.2169,
0.2993


 10.4434, 0.2163,
0.2988

 10.7832, 0.2204,
0.3026

 11.1162, 0.2251,
0.3059

 11.5088, 0.2315,
0.3091

 11.9672, 0.2397,
0.3124

 12.4968, 0.2494,
0.3156

■ 13.1024, 0.2606,
0.3187

■ 13.7884, 0.2730,
0.3216

■ 14.5588, 0.2864,
0.3244

■ 15.4174, 0.3005,
0.3270

Harmonies

Analogous

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



10.4901, 0.2432, 0.3545



10.4901, 0.2169, 0.2993



10.4901, 0.2139, 0.2598

Triad

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



10.4901, 0.2169, 0.2993



10.4901, 0.3297, 0.2664



10.4901, 0.3927, 0.4201

Complementary

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



10.4901, 0.2169, 0.2993



3.7330, 0.6225, 0.3400

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.



10.4901, 0.4213, 0.3865



10.4901, 0.2169, 0.2993



10.4901, 0.3842, 0.3012

Square

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



10.4901, 0.2169, 0.2993



10.4901, 0.2747, 0.2452



10.4901, 0.4189, 0.3437



10.4901, 0.3438, 0.4304

Rectangle

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



10.4901, 0.2169, 0.2993



10.4901, 0.2248, 0.2455



10.4901, 0.4189, 0.3437



10.4901, 0.4051, 0.4107

Sweetspot

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



10.4905, 0.2169, 0.2993



23.9133, 0.2699, 0.3209



11.6269, 0.2976, 0.5885



5.6495, 0.2658, 0.3200



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



10.4905, 0.2169, 0.2993



18.2428, 0.2161, 0.2979



3.2742, 0.1735, 0.1422



3.7611, 0.2996, 0.3268



12.0522, 0.2163, 0.2985



59.3228, 0.2158, 0.2967

Inverse Universe

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



4.4248, 0.3459, 0.1691



7.6857, 0.3472, 0.1686



7.3577, 0.5080, 0.4322



3.4480, 0.3150, 0.3103



5.0625, 0.3467, 0.1684



25.1464, 0.3483, 0.1692

Previews

White Background



This preview shows how the Yxy color 10.4901, 0.2169, 0.2993 looks on a white 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

Black Background



This preview shows how the Yxy color 10.4901, 0.2169, 0.2993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

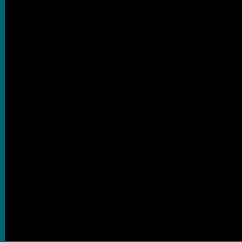
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4901, 0.2169, 0.2993

Background



This preview shows how black text looks on a background with the Yxy color 10.4901, 0.2169, 0.2993.



This preview shows how white text looks on a background with the Yxy color 10.4901, 0.2169, 0.2993.

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

10.4901, 0.2169, 0.2993

Protanopia

10.4561, 0.2899, 0.2935

Deuteranopia

10.4573, 0.2754, 0.2694



Tritanopia

10.4115, 0.2186, 0.3070

Trichromacy



Original Color

10.4901, 0.2169, 0.2993

Protanomaly

9.9580, 0.2468, 0.2927

Deuteranomaly

9.9135, 0.2404, 0.2759

Tritanomaly

10.4396, 0.2181, 0.3044

Monochromacy



Original Color

10.4901, 0.2169, 0.2993

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.4790, 0.2535, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4901, 0.2169, 0.2993 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(2, 101, 112)` looks like.

```
.text, #text, p{  
  color:rgb(2, 101, 112)  
}
```

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(2, 101, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 101, 112) }
```

Border

The CSS property to change the border of an element to Yxy 10.4901, 0.2169, 0.2993 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(2, 101, 112) }
```

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

```
.border{ border-color:rgb(2, 101, 112) }
```

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

Here you see how a box with a 4 pixel rgb(2, 101, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 101, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 101, 112);  
box-shadow:4px 4px 4px 4px rgb(2, 101,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4901, 0.2169, 0.2993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 101, 112) }
```

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

```
.background{ background-color: rgb(2, 101,  
112) }
```

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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