

Converting Colors

$Y_{xy}(19.8561, 0.2991, 0.5885)$

Have a look what the booklet for
Yxy(19.8561, 0.2991, 0.5885)
contains.

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Color

Yxy(19.7469, 0.2992, 0.5884)

Conversions

Conversions Part 1

Format	Color
Hex	0A8F10
RGB	10, 143, 16
RGB Percent	4%, 56%, 6%
CMY	0.9607, 0.4392, 0.9373
CMYK	0.93, 0.00, 0.89, 0.44
HSL	123°, 87%, 30%
HSV	123°, 93%, 56%
XYZ	10.0413, 19.7469, 3.7722
YIQ	88.7550, -38.5010, -67.6930

Conversions

Conversions Part 2

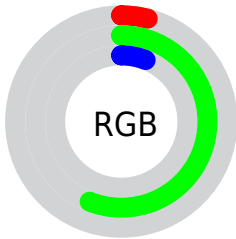
Format	Color
R_{YB}	10, 137, 143
Decimal	691984
CIE _{Lab}	51.55, -54.80, 51.27
CIE _{LCh}	52, 75.039, 136.906
Yxy	19.7469, 0.2992, 0.5884
Android (android.graphics.Color)	4278882064 (0xFF0A8F10)
YUV	88.7550, -35.8682, -69.0681
Hunter-Lab	44.4375, -37.4311, 26.0733

Details

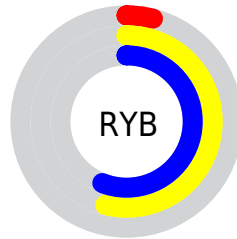
The Yxy color **19.7469, 0.2992, 0.5884** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.8639, 0.3312, 0.1633**, and the grayscale version is **10.0214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0064, 0.3116, 0.5245**, and **7.4822, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.6598, 0.2989, 0.5962**, and if you desaturate by 10%, it is **19.9357, 0.2993, 0.5716**.

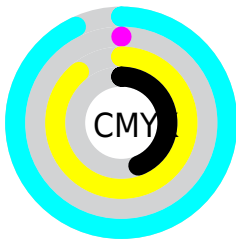
Distribution



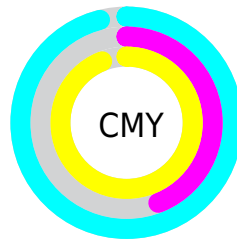
- Red (4%)
- Green (56%)
- Blue (6%)



- Red (4%)
- Yellow (54%)
- Blue (56%)



- Cyan (93%)
- Magenta (0%)
- Yellow (89%)
- Black (44%)




- Cyan (96%)
- Magenta (44%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7469, 0.2992, 0.5884 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 19.7469, 0.2992, 0.5884 by changing the saturation by 10% instead.

 19.7469, 0.2992,
0.5884


 19.7469, 0.2992,
0.5884


250.5416, 0.3183,
0.4311


 12.2112, 0.2859,
0.6360


 42.9924, 0.3113,
0.5243


 6.8877, 0.2659,
0.7115


 59.4711, 0.3140,
0.5023

 3.3920, 0.2157,
0.7843

 79.6994, 0.3157,
0.4845

 1.3396, 0.0000,
1.0000

 104.0620, 0.3168,
0.4699


 0.1716, 0.0000,
1.0000


 132.9431, 0.3175,
0.4577

 0.0000, 0.0000,
0.0000


 166.7271, 0.3179,

0.4474


 205.7985, 0.3182,
0.4387


 19.7469, 0.2992,
0.5884

 19.7469, 0.2992,
0.5884


 19.6598, 0.2989,
0.5962

 19.9357, 0.2993,
0.5716

 20.2463, 0.2999,
0.5476

 20.6954, 0.3010,
0.5181

 21.2967, 0.3026,
0.4853

 22.0624, 0.3044,
0.4516

■ 23.0032, 0.3064,
0.4188

■ 24.1290, 0.3084,
0.3882

■ 25.4489, 0.3104,
0.3604

■ 26.9716, 0.3122,
0.3358

Harmonies

Analogous

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



19.7469, 0.4148, 0.5513



19.7469, 0.2992, 0.5884



19.7469, 0.1922, 0.4813

Triad

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



19.7469, 0.2992, 0.5884



19.7469, 0.1223, 0.1541



19.7469, 0.5375, 0.2919

Complementary

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



19.7469, 0.2992, 0.5884



7.8639, 0.3312, 0.1633

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.



19.7469, 0.4136, 0.2222



19.7469, 0.2992, 0.5884



19.7469, 0.1741, 0.1475

Square

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



19.7469, 0.2992, 0.5884



19.7469, 0.1065, 0.2002



19.7469, 0.2727, 0.1710



19.7469, 0.5710, 0.3693

Rectangle

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



19.7469, 0.2992, 0.5884



19.7469, 0.1422, 0.3632



19.7469, 0.2727, 0.1710



19.7469, 0.5037, 0.2676

Sweetspot

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



19.7477, 0.2992, 0.5884



42.0399, 0.3073, 0.4050



25.1196, 0.4121, 0.5061



9.4676, 0.3065, 0.4172



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



19.7477, 0.2992, 0.5884



35.1994, 0.2992, 0.5972



20.3035, 0.2669, 0.4741



6.0331, 0.3111, 0.3507



17.3832, 0.2989, 0.5959



0.1668, 0.2935, 0.5765

Inverse Universe

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



7.8639, 0.3312, 0.1633



13.6631, 0.3325, 0.1605



6.5261, 0.4873, 0.2522



5.5069, 0.3144, 0.3083



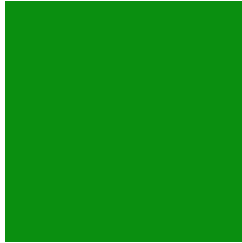
6.7501, 0.3322, 0.1604



0.0654, 0.3261, 0.1570

Previews

White Background



This preview shows how the Yxy color 19.7469, 0.2992, 0.5884 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 19.7469, 0.2992, 0.5884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

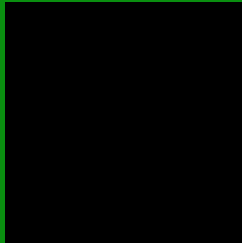
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7469, 0.2992, 0.5884

Background



This preview shows how black text looks on a background with the Yxy color 19.7469, 0.2992, 0.5884.



This preview shows how white text looks on a background with the Yxy color 19.7469, 0.2992, 0.5884.

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

19.7469, 0.2992, 0.5884

Protanopia

19.5845, 0.4374, 0.4867

Deuteranopia

19.3786, 0.4546, 0.4479



Tritanopia

19.7493, 0.2372, 0.3065

Trichromacy



Original Color

19.7469, 0.2992, 0.5884



Protanomaly

18.2113, 0.3664, 0.5402



Deuteranomaly

17.7675, 0.3768, 0.5139



Tritanomaly

19.2466, 0.2639, 0.4212

Monochromacy



Original Color

19.7469, 0.2992, 0.5884



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

12.2457, 0.3045, 0.4546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7469, 0.2992, 0.5884 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(10, 143, 16)` looks like.

```
.text, #text, p{  
    color:rgb(10, 143, 16)  
}
```

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(10, 143, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 143, 16) }
```

Border

The CSS property to change the border of an element to Yxy 19.7469, 0.2992, 0.5884 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(10, 143, 16) }
```

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

```
.border{ border-color:rgb(10, 143, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 143, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 143, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 143, 16);  
box-shadow:4px 4px 4px 4px rgb(10, 143,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7469, 0.2992, 0.5884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 143, 16) }
```

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

```
.background{ background-color: rgb(10, 143,  
16) }
```

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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