

Converting Colors

$Y_{xy}(10.7154, 0.3045, 0.5794)$

Have a look what the booklet for
Yxy(10.7154, 0.3045, 0.5794)
contains.

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Color

Yxy(10.6932, 0.3044, 0.5792)

Conversions

Conversions Part 1

Format	Color
Hex	146B0D
RGB	20, 107, 13
RGB Percent	8%, 42%, 5%
CMY	0.9213, 0.5804, 0.9490
CMYK	0.81, 0.00, 0.88, 0.58
HSL	116°, 78%, 24%
HSV	116°, 88%, 42%
XYZ	5.6198, 10.6932, 2.1490
YIQ	70.2710, -21.6780, -47.6780

Conversions

Conversions Part 2

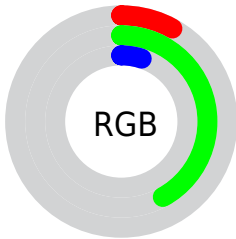
Format	Color
RYB	13, 107, 100
Decimal	1338125
CIELab	39.06, -42.53, 40.88
CIELCh	39, 58.994, 136.135
Yxy	10.6932, 0.3044, 0.5792
Android (android.graphics.Color)	4279528205 (0xFF146B0D)
YUV	70.2710, -28.2346, -44.0877
Hunter-Lab	32.7005, -26.5491, 18.9940

Details

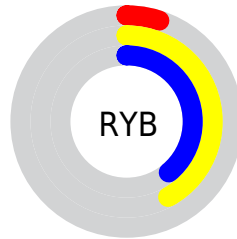
The Yxy color **10.6932, 0.3044, 0.5792** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.0565, 0.3052, 0.1538**, and the grayscale version is **6.2265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9390, 0.3154, 0.5065**, and **3.0261, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.5858, 0.3031, 0.5944**, and if you desaturate by 10%, it is **10.8554, 0.3063, 0.5584**.

Distribution



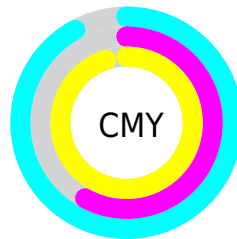
- Red (8%)
- Green (42%)
- Blue (5%)



- Red (5%)
- Yellow (42%)
- Blue (39%)



- Cyan (81%)
- Magenta (0%)
- Yellow (88%)
- Black (58%)




- Cyan (92%)
- Magenta (58%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6932, 0.3044, 0.5792 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 10.6932, 0.3044, 0.5792 by changing the saturation by 10% instead.


 10.6932, 0.3044,
0.5792


 10.6932, 0.3044,
0.5792


195.5504, 0.3197,
0.4155


 5.8609, 0.2897,
0.6399

 27.0914, 0.3159,
0.5073


 2.7607, 0.2607,
0.7393


 39.4262, 0.3179,
0.4842

 1.0081, 0.0000,
1.0000

 55.0305, 0.3190,
0.4663


 0.0000, 0.0000,
0.0000


 74.2889, 0.3196,
0.4520


 97.5857, 0.3198,
0.4403


 125.3053, 0.3198,

0.4306


 157.8321, 0.3198,
0.4224

 10.6932, 0.3044,
0.5792

 10.6932, 0.3044,
0.5792


 10.5858, 0.3031,
0.5944


 10.8554, 0.3063,
0.5584

 10.5669, 0.3030,
0.5976

 11.0814, 0.3080,
0.5315

 11.3774, 0.3095,
0.5005

 11.7488, 0.3107,
0.4675

 12.2001, 0.3116,
0.4345

■ 12.7356, 0.3122,
0.4030

■ 13.3594, 0.3126,
0.3739

■ 14.0752, 0.3127,
0.3476

■ 14.8864, 0.3127,
0.3242

Harmonies

Analogous

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



10.6932, 0.4175, 0.5445



10.6932, 0.3044, 0.5792



10.6932, 0.1989, 0.4793

Triad

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



10.6932, 0.3044, 0.5792



10.6932, 0.1259, 0.1593



10.6932, 0.5278, 0.2921

Complementary

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



10.6932, 0.3044, 0.5792



4.0565, 0.3052, 0.1538

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.



10.6932, 0.4068, 0.2237



10.6932, 0.3044, 0.5792



10.6932, 0.1761, 0.1516

Square

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



10.6932, 0.3044, 0.5792



10.6932, 0.1113, 0.2064



10.6932, 0.2712, 0.1740



10.6932, 0.5641, 0.3684

Rectangle

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



10.6932, 0.3044, 0.5792



10.6932, 0.1488, 0.3668



10.6932, 0.2712, 0.1740



10.6932, 0.4943, 0.2681

Sweetspot

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



10.6936, 0.3044, 0.5792



22.9204, 0.3123, 0.3997



12.1102, 0.4265, 0.4867



5.4834, 0.3121, 0.4075



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



10.6936, 0.3044, 0.5792



18.8972, 0.3022, 0.5982



10.8504, 0.2756, 0.4945



3.4546, 0.3127, 0.3504



12.8493, 0.3027, 0.5978



65.3159, 0.3012, 0.5990

Inverse Universe

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



4.0565, 0.3052, 0.1538



6.6259, 0.3026, 0.1441



3.8294, 0.4294, 0.2269



3.1529, 0.3126, 0.3084



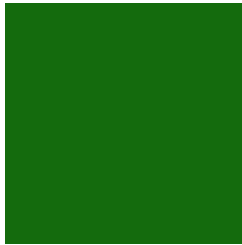
4.5115, 0.3029, 0.1442



22.8221, 0.3018, 0.1436

Previews

White Background



This preview shows how the Yxy color 10.6932, 0.3044, 0.5792 looks on a white background.

Color Contrast Check

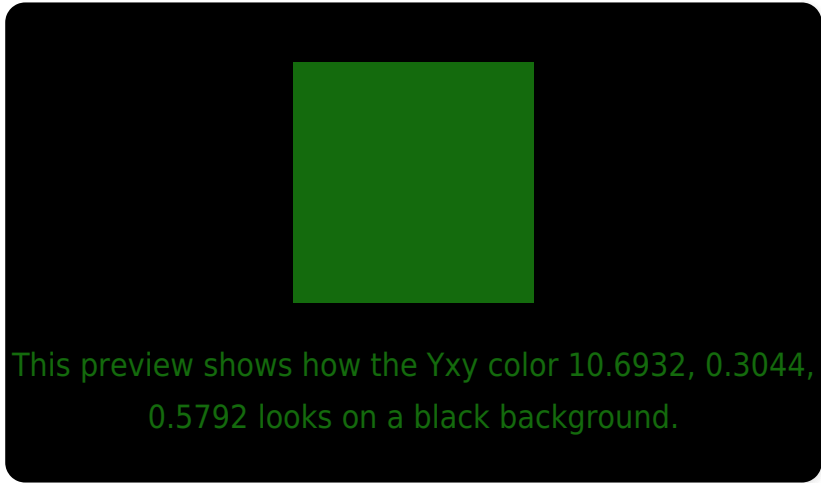
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 10.6932, 0.3044, 0.5792

Background



This preview shows how black text looks on a background with the Yxy color 10.6932, 0.3044, 0.5792.



This preview shows how white text looks on a background with the Yxy color 10.6932, 0.3044, 0.5792.

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

10.6932, 0.3044, 0.5792

Protanopia

10.5532, 0.4349, 0.4852

Deuteranopia

10.5358, 0.4510, 0.4455



Tritanopia

10.8254, 0.2414, 0.3081

Trichromacy



Original Color

10.6932, 0.3044, 0.5792

Protanomaly

9.9856, 0.3747, 0.5292

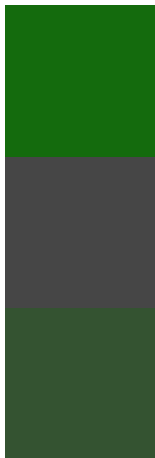
Deuteranomaly

9.7650, 0.3836, 0.5030

Tritanomaly

10.5936, 0.2694, 0.4165

Monochromacy



Original Color

10.6932, 0.3044, 0.5792

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.1383, 0.3122, 0.4401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6932, 0.3044, 0.5792 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(20, 107, 13)` looks like.

```
.text, #text, p{  
    color:rgb(20, 107, 13)  
}
```

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(20, 107, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 107, 13) }
```

Border

The CSS property to change the border of an element to Yxy 10.6932, 0.3044, 0.5792 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(20, 107, 13) }
```

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

```
.border{ border-color:rgb(20, 107, 13) }
```

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

Here you see how a box with a 4 pixel rgb(20, 107, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 107, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 107, 13);  
box-shadow:4px 4px 4px 4px rgb(20, 107,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6932, 0.3044, 0.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 107, 13) }
```

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

```
.background{ background-color: rgb(20, 107,  
13) }
```

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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