

# Converting Colors

$Y_{xy}(22.0690, 0.3093, 0.5881)$

Have a look what the booklet for  
Yxy(22.0690, 0.3093, 0.5881)  
contains.

<b>Yxy(22.2031, 0.3092, 0.5882)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**$\text{Yxy}(22.2031, 0.3092, 0.5882)$**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	249607
RGB	36, 150, 7
RGB Percent	14%, 59%, 3%
CMY	0.8590, 0.4117, 0.9723
CMYK	0.76, 0.00, 0.95, 0.41
HSL	108°, 91%, 31%
HSV	108°, 95%, 59%
XYZ	11.6715, 22.2031, 3.8729
YIQ	99.6120, -22.0410, -68.6410

# Conversions

## Conversions Part 2

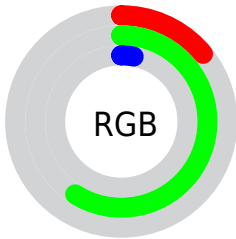
<b>Format</b>	<b>Color</b>
<b>RYB</b>	7, 150, 121
Decimal	2397703
CIELab	54.24, -54.24, 55.33
CIELCh	54, 77.486, 134.431
Yxy	22.2031, 0.3092, 0.5882
Android (android.graphics.Color)	4280587783 (0xFF249607)
YUV	99.6120, -45.6577, -55.7877
Hunter-Lab	47.1202, -38.2463, 28.1110

# Details

The Yxy color **22.2031, 0.3092, 0.5882** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.4277, 0.2735, 0.1304**, and the grayscale version is **12.7622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9553, 0.3195, 0.5268**, and **8.7354, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **22.0952, 0.3078, 0.5938**, and if you desaturate by 10%, it is **22.4990, 0.3128, 0.5736**.

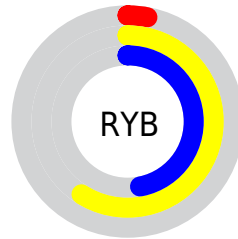
# Distribution



Red (14%)

Green (59%)

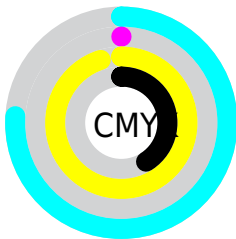
Blue (3%)



Red (3%)

Yellow (59%)

Blue (47%)

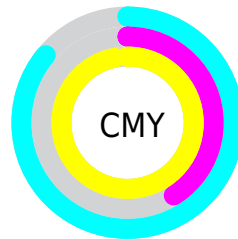


Cyan (76%)

Magenta (0%)

Yellow (95%)

Black (41%)



Cyan (86%)

Magenta (41%)

Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2031, 0.3092, 0.5882 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 22.2031, 0.3092, 0.5882 by changing the saturation by 10% instead.



■ 22.2031, 0.3092,  
0.5882

■ 22.2031, 0.3092,  
0.5882

■ 263.6051, 0.3233,  
0.4347

■ 14.0062, 0.2975,  
0.6322

■ 47.0814, 0.3193,  
0.5271

■ 8.1250, 0.2795,  
0.6983

■ 64.5317, 0.3214,  
0.5056

■ 4.1750, 0.2358,  
0.7642

■ 85.8352, 0.3225,  
0.4881

■ 1.7719, 0.0896,  
0.9104

■ 111.3763, 0.3231,  
0.4737


■ 0.4696, 0.0000,  
1.0000


■ 141.5395, 0.3234,  
0.4615


■ 0.0000, 0.0000,  
0.0000

■ 176.7091, 0.3235,

0.4512

 217.2695, 0.3234,  
0.4424


 22.2031, 0.3092,  
0.5882

 22.2031, 0.3092,  
0.5882


 22.0952, 0.3078,  
0.5938

 22.4990, 0.3128,  
0.5736

 22.9056, 0.3157,  
0.5521

 23.4352, 0.3178,  
0.5248

 24.0973, 0.3188,  
0.4937

 24.9003, 0.3190,  
0.4609

■ 25.8520, 0.3184,  
0.4282

■ 26.9596, 0.3172,  
0.3969

■ 28.2298, 0.3156,  
0.3680

■ 29.6688, 0.3138,  
0.3417

# Harmonies

## Analogous

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



22.2031, 0.4239, 0.5435



22.2031, 0.3092, 0.5882



22.2031, 0.2007, 0.4938

# Triad

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



22.2031, 0.3092, 0.5882



22.2031, 0.1206, 0.1571



22.2031, 0.5287, 0.2862

# Complementary

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



22.2031, 0.3092, 0.5882



6.4277, 0.2735, 0.1304

# 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.



22.2031, 0.4009, 0.2177



22.2031, 0.3092, 0.5882



22.2031, 0.1690, 0.1477

# Square

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



22.2031, 0.3092, 0.5882



22.2031, 0.1075, 0.2073



22.2031, 0.2630, 0.1688



22.2031, 0.5706, 0.3629



# Rectangle

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



22.2031, 0.3092, 0.5882



22.2031, 0.1481, 0.3772



22.2031, 0.2630, 0.1688



22.2031, 0.4927, 0.2621

# Sweetspot

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



22.2040, 0.3092, 0.5882



46.7039, 0.3178, 0.4101



19.7015, 0.4585, 0.4701



10.1859, 0.3182, 0.4222



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290



# Same Dimension

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



22.2040, 0.3092, 0.5882



38.9296, 0.3068, 0.5946



22.0695, 0.2881, 0.5519



6.5216, 0.3145, 0.3516



18.3357, 0.3082, 0.5935



0.2347, 0.3335, 0.5734



# Inverse Universe

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



6.4277, 0.2735, 0.1304



10.8165, 0.2700, 0.1261



7.7528, 0.4012, 0.2014



5.8506, 0.3107, 0.3070



5.1321, 0.2714, 0.1269

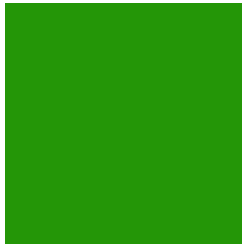


0.0749, 0.2967, 0.1408



# Previews

## White Background



This preview shows how the Yxy color 22.2031, 0.3092, 0.5882 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 22.2031, 0.3092, 0.5882 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 22.2031, 0.3092, 0.5882**

## **Background**



This preview shows how black text looks on a background with the Yxy color 22.2031, 0.3092, 0.5882.



This preview shows how white text looks on a background with the Yxy color 22.2031, 0.3092, 0.5882.

# 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

22.2031, 0.3092, 0.5882

### Protanopia

21.7203, 0.4397, 0.4891

### Deuteranopia

21.7103, 0.4582, 0.4494



## Tritanopia

22.0392, 0.2417, 0.3058

# Trichromacy



**Original Color**

22.2031, 0.3092, 0.5882

**Protanomaly**

20.9012, 0.3789, 0.5355

**Deuteranomaly**

20.2815, 0.3919, 0.5089

**Tritanomaly**

21.4453, 0.2738, 0.4248

# Monochromacy



**Original Color**

22.2031, 0.3092, 0.5882

**Achromatopsia**

12.7438, 0.3127, 0.3290

**Achromatomaly**

14.9280, 0.3195, 0.4533

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 22.2031, 0.3092, 0.5882 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(36, 150, 7)` looks like.

```
.text, #text, p{  
    color:rgb(36, 150, 7)  
}
```

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(36, 150, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 150, 7) }
```

## Border

The CSS property to change the border of an element to Yxy 22.2031, 0.3092, 0.5882 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(36, 150, 7) }
```

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

```
.border{ border-color:rgb(36, 150, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 150, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 150, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 150, 7);  
box-shadow:4px 4px 4px 4px rgb(36, 150, 7)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 22.2031, 0.3092, 0.5882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 150, 7) }
```

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

```
.background{ background-color: rgb(36, 150,  
7) }
```

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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