

# Converting Colors

XYZ(69.1743, 77.1286, 11.2414)

Have a look what the booklet for  
XYZ(69.1743, 77.1286, 11.2414)  
contains.

<b>XYZ(69.2593, 77.2986, 11.2698)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(69.2593, 77.2986,  
11.2698)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE500
RGB	255, 229, 0
RGB Percent	100%, 90%, 0%
CMY	0.0000, 0.1019, 0.9999
CMYK	0.00, 0.10, 1.00, 0.00
HSL	54°, 100%, 50%
HSV	54°, 100%, 100%
XYZ	69.2593, 77.2986, 11.2698
YIQ	210.6680, 89.0050, -65.7070

# Conversions

## Conversions Part 2

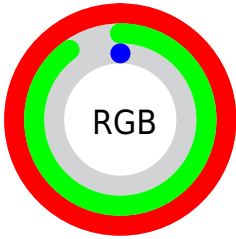
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	29, 255, 0
Decimal	16770304
CIE Lab	90.46, -8.94, 89.65
CIE LCh	90, 90.091, 95.695
Yxy	77.2986, 0.4388, 0.4898
Android (android.graphics.Color)	4294960384 (0xFFFFE500)
YUV	210.6680, -103.8593, 38.8792
Hunter-Lab	87.9196, -13.2447, 53.9438

# Details

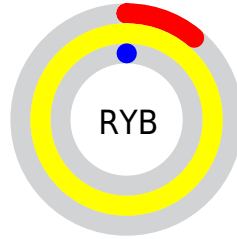
The XYZ color **69.2593, 77.2986, 11.2698** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **18.4202, 7.9601, 95.1725**, and the grayscale version is **62.3246, 65.5703, 71.4061**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **37.1284, 41.6096, 6.0746** is the 20% darker color. If you saturate the color by 10%, you get **69.2599, 77.3004, 11.2701**, and if you desaturate by 10%, it is **70.1669, 78.8242, 12.4665**.

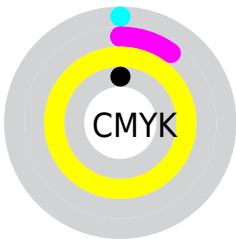
# Distribution



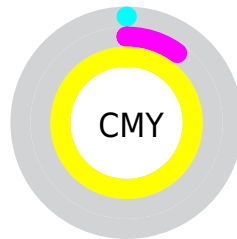
- Red (100%)
- Green (90%)
- Blue (0%)



- Red (11%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (10%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2593, 77.2986, 11.2698 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 XYZ color 69.2593, 77.2986, 11.2698 by changing the saturation by 10% instead.




 69.2593, 77.2986,  
11.2698

 69.2593, 77.2986,  
11.2698


447.2521,  
485.7815, 210.3127


 51.2003, 57.4980,  
6.1322


 117.1839,  
129.5609, 28.8022

 36.5897, 41.4052,  
2.8555


 147.7802,  
162.7914, 42.0341


 25.0622, 28.6358,  
1.0213


 183.2864,  
201.2672, 58.8012

 16.2524, 18.8055,  
0.0000

 224.0677,  
245.3729, 79.5219

 9.7949, 11.5298,  
0.0000

 270.4896,  
295.4928, 104.6149

 5.3244, 6.4244,  
0.0000

 322.9174,

 2.4755, 3.1048,

352.0112, 134.4987

0.0000

381.7164,  
415.3127, 169.5918

■ 0.8829, 1.1867,  
0.0000

■ 0.0000, 0.0508,  
0.0000

■ 69.2593, 77.2986,  
11.2698

■ 69.2593, 77.2986,  
11.2698

■ 69.2599, 77.3004,  
11.2701

■ 70.1669, 78.8242,  
12.4665

■ 71.3194, 80.4621,  
14.9076

■ 72.7907, 82.2449,  
18.9734

■ 74.6248, 84.1902,  
24.8961

■ 76.8588, 86.3131,  
32.8704

■ 79.5249, 88.6264,  
43.0663

■ 82.6522, 91.1418,  
55.6363

■ 86.2671, 93.8701,  
70.7191

■ 90.3940, 96.8209,  
88.4431

# Harmonies

## Analogous

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



92.7593, 77.2986, 14.2086



69.2593, 77.2986, 11.2698



51.0035, 77.2986, 18.3056

# Triad

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



69.2593, 77.2986, 11.2698



43.6320, 77.2986, 179.1589



120.3849, 77.2986, 146.1743

# Complementary

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



69.2593, 77.2986, 11.2698



18.4202, 7.9601, 95.1725

# 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.



101.7210, 77.2986, 230.2656



69.2593, 77.2986, 11.2698



57.0593, 77.2986, 255.1678

# Square

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



69.2593, 77.2986, 11.2698



38.2748, 77.2986, 97.0708



77.8480, 77.2986, 277.5193



125.4895, 77.2986, 72.4571



# Rectangle

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



69.2593, 77.2986, 11.2698



43.2082, 77.2986, 31.8575



77.8480, 77.2986, 277.5193



115.3260, 77.2986, 175.1168

# Sweetspot

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



69.2610, 77.3023, 11.2713



82.6485, 91.1392, 55.6188



41.4715, 21.3532, 3.1493



17.3956, 19.2751, 10.7067



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



69.2610, 77.3023, 11.2713



69.2605, 77.3010, 11.2702



49.7157, 78.7140, 12.5740



19.3937, 20.7555, 19.1284



36.2544, 40.5200, 5.9103



3.5737, 4.0328, 0.5900



# Inverse Universe

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



18.4202, 7.9601, 95.1725



18.4193, 7.9586, 95.1731



23.0624, 9.8046, 95.2839



17.1520, 17.6756, 22.7577



9.6729, 4.2553, 49.7461



0.9889, 0.5084, 4.8593



# Previews

## White Background



This preview shows how the XYZ color 69.2593, 77.2986, 11.2698 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

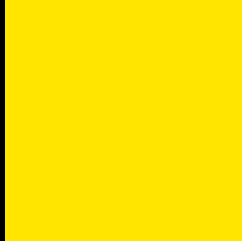
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.2593, 77.2986, 11.2698 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 ✓ Pass

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

# XYZ 69.2593, 77.2986, 11.2698

## Background



This preview shows how black text looks on a background with the XYZ color 69.2593, 77.2986, 11.2698.



This preview shows how white text looks on a background with the XYZ color 69.2593, 77.2986,



# 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

69.2593, 77.2986, 11.2698

### Protanopia

70.0576, 77.1765, 16.8343

### Deuteranopia

75.6636, 77.2497, 53.0423



## Tritanopia

80.4543, 77.0600, 84.7624

# Trichromacy



## Original Color

69.2593, 77.2986, 11.2698

## Protanomaly

69.4380, 76.9287, 13.5718

## Deuteranomaly

71.1458, 76.3027, 26.6009

## Tritanomaly

72.5496, 75.5779, 37.9583

# Monochromacy



## Original Color

69.2593, 77.2986, 11.2698

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

61.0530, 68.1949, 32.4994

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.2593, 77.2986, 11.2698 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(255, 229, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 0)  
}
```

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(255, 229, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 69.2593, 77.2986, 11.2698 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(255, 229, 0) }
```



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

```
.border{ border-color:rgb(255, 229, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.2593, 77.2986, 11.2698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 0) }
```

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

```
.background{ background-color: rgb(255,  
229, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor