

# Converting Colors

XYZ(27.5179, 45.3478, 7.3027)

Have a look what the booklet for  
XYZ(27.5179, 45.3478, 7.3027)  
contains.

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# Color

**XYZ(27.4422, 45.1528,  
7.2690)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FC900
RGB	111, 201, 0
RGB Percent	44%, 79%, 0%
CMY	0.5647, 0.2117, 0.9999
CMYK	0.45, 0.00, 1.00, 0.21
HSL	87°, 100%, 39%
HSV	87°, 100%, 79%
XYZ	27.4422, 45.1528, 7.2690
YIQ	151.1760, 10.8810, -81.5910

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 201, 90
Decimal	7325952
CIELab	72.99, -53.12, 72.30
CIELCh	73, 89.717, 126.304
Yxy	45.1528, 0.3436, 0.5654
Android (android.graphics.Color)	4285516032 (0xFF6FC900)
YUV	151.1760, -74.5298, -35.2344
Hunter-Lab	67.1958, -44.6948, 40.6233

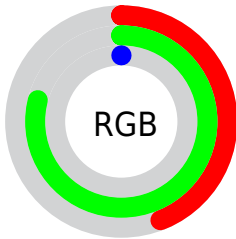
# Details

The XYZ color **27.4422, 45.1528, 7.2690** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **14.7625, 6.3928, 55.7167**, and the grayscale version is **29.7993, 31.3512, 34.1414**.

A 20% lighter version of the original color is **53.8606, 80.6752, 20.7158**, and **11.4512, 21.1621, 3.4812** is the 20% darker color. If you saturate the color by 10%, you get **27.4418, 45.1540, 7.2693**, and if you desaturate by 10%, it is **28.7609, 45.8193, 7.9957**.

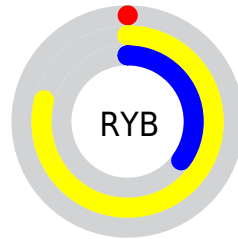
# Distribution



Red (44%)

Green (79%)

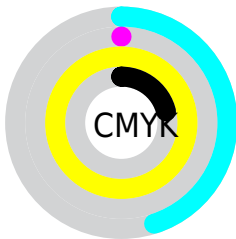
Blue (0%)



Red (0%)

Yellow (79%)

Blue (35%)

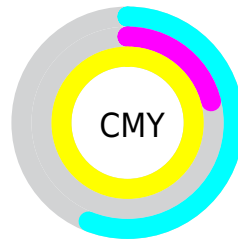


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (56%)

Magenta (21%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4422, 45.1528, 7.2690 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 27.4422, 45.1528, 7.2690 by changing the saturation by 10% instead.




 27.4422, 45.1528,  
7.2690


 27.4422, 45.1528,  
7.2690


281.9205,  
367.3921, 179.5954


 18.0439, 31.5778,  
3.5499


 55.0075, 82.9497,  
21.0344

 11.0814, 21.0392,  
1.3818


 73.9053, 107.9403,  
31.9177

 6.1893, 13.1527,  
0.1275


 96.7003, 137.5049,  
46.0263

 3.0023, 7.5338,  
0.0000

 123.7578,  
172.0280, 63.7785

 1.1550, 3.7981,  
0.0000

 155.4432,  
211.8938, 85.5930

 0.0704, 1.5613,  
0.0000

 192.1219,

 0.0000, 0.3313,

257.4869, 111.8883

0.0000

234.1592,  
309.1915, 143.0829

■ 0.0000, 0.0000,  
0.0000

■ 27.4422, 45.1528,  
7.2690

■ 27.4422, 45.1528,  
7.2690

■ 27.4418, 45.1540,  
7.2693

■ 28.7609, 45.8193,  
7.9957

■ 30.3281, 46.5973,  
9.4232

■ 32.1937, 47.5085,  
11.7933

■ 34.3849, 48.5643,  
15.2335

■ 36.9250, 49.7741,  
19.8514

■ 39.8347, 51.1468,  
25.7417

■ 43.1327, 52.6900,  
32.9893

■ 46.8365, 54.4110,  
41.6717

■ 50.9621, 56.3165,  
51.8607

# Harmonies

## Analogous

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



39.6938, 45.1528, 3.6116



27.4422, 45.1528, 7.2690



20.8261, 45.1528, 22.0116

# Triad

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



27.4422, 45.1528, 7.2690



31.9165, 45.1528, 177.9642



80.3447, 45.1528, 40.2885

# Complementary

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



27.4422, 45.1528, 7.2690



14.7625, 6.3928, 55.7167

# 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.



76.8179, 45.1528, 92.6044



27.4422, 45.1528, 7.2690



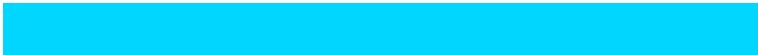
46.3088, 45.1528, 194.3544

# Square

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



27.4422, 45.1528, 7.2690



22.9356, 45.1528, 119.9427



63.3285, 45.1528, 156.5582



72.0455, 45.1528, 13.7397

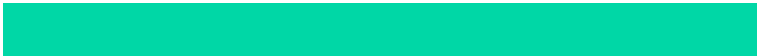


# Rectangle

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



27.4422, 45.1528, 7.2690



19.3341, 45.1528, 43.8119



63.3285, 45.1528, 156.5582



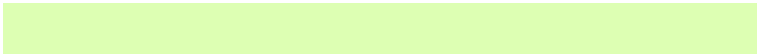
80.5264, 45.1528, 54.9345

# Sweetspot

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



27.4432, 45.1548, 7.2700



73.5863, 90.0861, 55.8931



27.5061, 19.2531, 2.2671



15.2187, 19.0337, 10.7748



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.



27.4432, 45.1548, 7.2700



46.7113, 77.1656, 12.4325



21.0600, 41.8641, 6.9713



11.0480, 12.1717, 11.3298



17.3604, 28.4449, 4.5754



0.9045, 1.3894, 0.2205



# Inverse Universe

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



14.7625, 6.3928, 55.7167



25.0149, 10.8105, 95.3760



31.1853, 14.8590, 56.4853



10.5001, 10.5161, 13.3939



9.3829, 4.0713, 35.0357



0.5273, 0.2356, 1.6628



# Previews

## White Background



This preview shows how the XYZ color 27.4422, 45.1528, 7.2690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

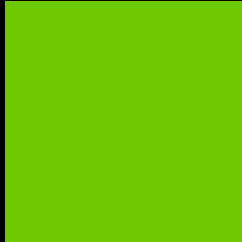
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.4422, 45.1528, 7.2690 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 27.4422, 45.1528, 7.2690**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.4422, 45.1528, 7.2690.



This preview shows how white text looks on a background with the XYZ color 27.4422, 45.1528,



# 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

27.4422, 45.1528, 7.2690

### Protanopia

40.2075, 44.6577, 6.5006

### Deuteranopia

45.3114, 44.3764, 8.1848



## **Tritanopia**

38.4227, 44.9558, 62.5294

# Trichromacy



## Original Color

27.4422, 45.1528, 7.2690



## Protanomaly

33.9188, 43.8655, 6.6792



## Deuteranomaly

36.2278, 43.1852, 7.3459



## Tritanomaly

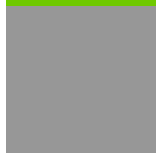
31.4163, 43.7199, 27.5518

# Monochromacy



## Original Color

27.4422, 45.1528, 7.2690



## Achromatopsia

29.4150, 30.9469, 33.7012



## Achromatomaly

26.4526, 34.4547, 16.3226

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.4422, 45.1528, 7.2690 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(111, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(111, 201, 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(111, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 201, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 27.4422, 45.1528, 7.2690 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(111, 201, 0) }
```



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

```
.border{ border-color:rgb(111, 201, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 201, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 201, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 201, 0);  
box-shadow:4px 4px 4px 4px rgb(111, 201,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.4422, 45.1528, 7.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 201, 0) }
```

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

```
.background{ background-color: rgb(111,  
201, 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](#).

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