

# Converting Colors

XYZ(26.8725, 42.4083, 8.6711)

Have a look what the booklet for  
XYZ(26.8725, 42.4083, 8.6711)  
contains.

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# Color

**XYZ(26.8605, 42.4431,  
8.6961)**

# Conversions

Conversions Part 1	
Format	Color
Hex	74C227
RGB	116, 194, 39
RGB Percent	45%, 76%, 15%
CMY	0.5451, 0.2392, 0.8470
CMYK	0.40, 0.00, 0.80, 0.24
HSL	90°, 67%, 46%
HSV	90°, 80%, 76%
XYZ	26.8605, 42.4431, 8.6961
YIQ	153.0080, 3.2670, -64.7410

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">39, 194, 117</a>
Decimal	<a href="#">7651879</a>
CIELab	<a href="#">71.18, -47.64, 64.17</a>
CIELCh	<a href="#">71, 79.923, 126.588</a>
Yxy	<a href="#">42.4431, 0.3444, 0.5441</a>
Android (android.graphics.Color)	<a href="#">4285841959</a> (0xFF74C227)
YUV	<a href="#">153.0080, -56.2059, -32.4560</a>
Hunter-Lab	<a href="#">65.1484, -40.4146, 37.6897</a>

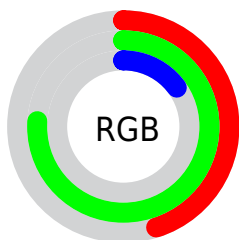
# Details

The XYZ color **26.8605, 42.4431, 8.6961** is a dark color, and the websafe version is hex **66CC33**.

The color can be described as dark muted chartreuse. A complement of this color would be **17.8015, 9.1294, 51.8653**, and the grayscale version is **30.5191, 32.1085, 34.9661**.

A 20% lighter version of the original color is **54.1573, 78.8749, 23.9253**, and **11.0654, 19.6260, 3.2050** is the 20% darker color. If you saturate the color by 10%, you get **25.3875, 41.7132, 7.3570**, and if you desaturate by 10%, it is **28.6362, 43.3127, 10.9085**.

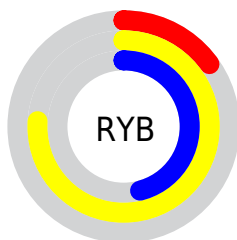
# Distribution



Red (45%)

Green (76%)

Blue (15%)



Red (15%)

Yellow (76%)

Blue (46%)

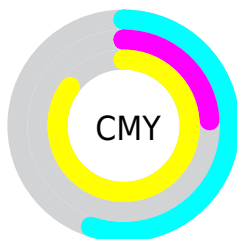


Cyan (40%)

Magenta (0%)

Yellow (80%)

Black (24%)



Cyan (55%)

Magenta (24%)


Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8605, 42.4431, 8.6961 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 26.8605, 42.4431, 8.6961 by changing the saturation by 10% instead.





 26.8605, 42.4431,  
8.6961


 26.8605, 42.4431,  
8.6961


279.1609,  
356.3165, 191.2282


 17.6045, 29.4484,  
4.4494


 54.0814, 78.8698,  
23.8805


 10.7644, 19.4203,  
1.8750


 72.7770, 103.0706,  
35.6553

 5.9748, 11.9744,  
0.4767


 95.3500, 131.7755,  
50.7765

 2.8703, 6.7262,  
0.0000

 122.1655,  
165.3691, 69.6627

 1.0855, 3.2915,  
0.0000

 153.5890,  
204.2355, 92.7325

 0.0130, 1.2857,  
0.0000


 189.9858,


 0.0000, 0.1301,


248.7593, 120.4042


0.0000


231.7214,  
299.3248, 153.0966


 0.0000, 0.0000,  
0.0000


 26.8605, 42.4431,  
8.6961


 26.8605, 42.4431,  
8.6961


 25.3875, 41.7132,  
7.3570

 28.6362, 43.3127,  
10.9085


 24.1676, 41.0984,  
6.6649


 30.7377, 44.3274,  
14.1077


 24.1555, 41.0923,  
6.6585


 33.1884, 45.4985,  
18.3932


 36.0086, 46.8345,  
23.8514

 39.2164, 48.3430,  
30.5602

 42.8289, 50.0313,  
38.5907

 46.8617, 51.9060,  
48.0087

 51.3298, 53.9735,  
58.8755

 56.2473, 56.2398,  
71.2489

# Harmonies

## Analogous

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



37.4589, 42.4431, 4.8523



26.8605, 42.4431, 8.6961



21.0295, 42.4431, 22.6744

# Triad

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



26.8605, 42.4431, 8.6961



30.9530, 42.4431, 152.2473



71.6958, 42.4431, 38.2603

# Complementary

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



26.8605, 42.4431, 8.6961



17.8015, 9.1294, 51.8653

# 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.



68.8738, 42.4431, 82.1298



26.8605, 42.4431, 8.6961



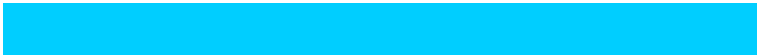
43.3670, 42.4431, 164.9442

# Square

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



26.8605, 42.4431, 8.6961



23.0011, 42.4431, 105.5551



57.7118, 42.4431, 134.2770



64.7404, 42.4431, 14.7271



# Rectangle

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



26.8605, 42.4431, 8.6961



19.7148, 42.4431, 41.9637



57.7118, 42.4431, 134.2770



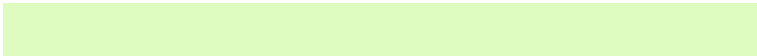
71.8785, 42.4431, 50.7406

# Sweetspot

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



26.8615, 42.4449, 8.6970



74.5625, 89.2265, 63.0816



28.9194, 24.2241, 5.0716



15.8154, 19.2997, 12.6821



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.



26.8615, 42.4449, 8.6970



44.2875, 74.7101, 12.3763



20.4960, 39.1634, 8.3991



10.4103, 11.4990, 10.7327



15.9753, 27.0644, 4.3820



0.7698, 1.2104, 0.1931



# Inverse Universe

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



17.8015, 9.1294, 51.8653



27.2776, 12.1868, 93.3844



32.7130, 16.8166, 52.5631



10.0005, 9.9914, 12.6863



9.7826, 4.3035, 33.8717



0.5022, 0.2269, 1.4672



# Previews

## White Background



This preview shows how the XYZ color 26.8605, 42.4431, 8.6961 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

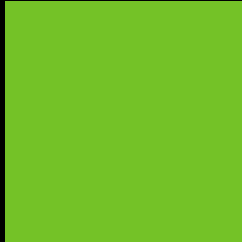
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.8605, 42.4431, 8.6961 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 26.8605, 42.4431, 8.6961**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.8605, 42.4431, 8.6961.



This preview shows how white text looks on a background with the XYZ color 26.8605, 42.4431,



# 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

26.8605, 42.4431, 8.6961

### Protanopia

37.9305, 41.9897, 7.6190

### Deuteranopia

42.7130, 41.9190, 9.2081



## Tritanopia

36.6907, 42.3062, 57.8619

# Trichromacy



**Original Color**  
26.8605, 42.4431, 8.6961



**Protanomaly**  
32.5682, 41.2821, 7.9208



**Deuteranomaly**  
34.8812, 40.9674, 8.8654

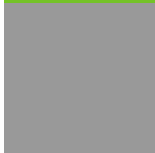


**Tritanomaly**  
31.1996, 41.6199, 30.4338

# Monochromacy



**Original Color**  
26.8605, 42.4431, 8.6961



**Achromatopsia**  
30.2779, 31.8547, 34.6897



**Achromatomaly**  
27.7425, 34.7506, 20.5746

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.8605, 42.4431, 8.6961 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(116, 194, 39)` looks like.

```
.text, #text, p{  
    color:rgb(116, 194, 39)  
}
```

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(116, 194, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 194, 39) }
```

## Border

The CSS property to change the border of an element to XYZ 26.8605, 42.4431, 8.6961 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(116, 194, 39) }
```



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

```
.border{ border-color:rgb(116, 194, 39) }
```

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

Here you see how a box with a 4 pixel rgb(116, 194, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 194, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 194, 39);  
box-shadow:4px 4px 4px 4px rgb(116, 194,  
39) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.8605, 42.4431, 8.6961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 194, 39) }
```

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

```
.background{ background-color: rgb(116,  
194, 39) }
```

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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