

# Converting Colors

XYZ(69.2593, 81.6288, 23.5199)

Have a look what the booklet for  
XYZ(69.2593, 81.6288, 23.5199)  
contains.

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# **Color**

**XYZ(69.2529, 81.7085,  
23.4306)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0F061
RGB	240, 240, 97
RGB Percent	94%, 94%, 38%
CMY	0.0588, 0.0588, 0.6196
CMYK	0.00, 0.00, 0.60, 0.06
HSL	60°, 83%, 66%
HSV	60°, 60%, 94%
XYZ	69.2529, 81.7085, 23.4306
YIQ	223.6980, 45.9030, -44.4730

# Conversions

## Conversions Part 2

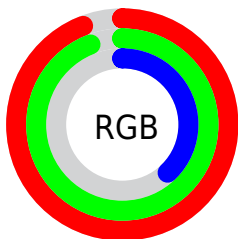
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	97, 240, 97
Decimal	15790177
CIE <sub>Lab</sub>	92.45, -17.52, 67.13
CIE <sub>LCh</sub>	92, 69.374, 104.627
Yxy	81.7085, 0.3971, 0.4685
Android (android.graphics.Color)	4293980257 (0xFFFF0F061)
YUV	223.6980, -62.4621, 14.2969
Hunter-Lab	90.3928, -21.4325, 47.9064

# Details

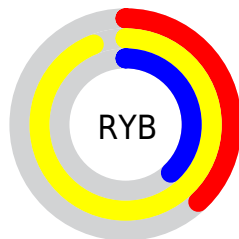
The XYZ color **69.2529, 81.7085, 23.4306** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **24.9352, 17.3839, 84.4843**, and the grayscale version is **71.0466, 74.7466, 81.3990**.

A 20% lighter version of the original color is **82.7498, 95.0799, 44.1279**, and **36.5464, 44.2447, 8.4476** is the 20% darker color. If you saturate the color by 10%, you get **68.2993, 81.3300, 18.4025**, and if you desaturate by 10%, it is **70.5489, 82.2299, 30.2444**.

# Distribution



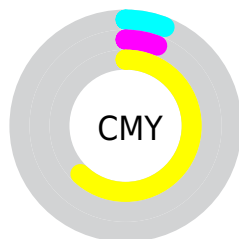
- Red (94%)
- Green (94%)
- Blue (38%)



- Red (38%)
- Yellow (94%)
- Blue (38%)



- Cyan (0%)
- Magenta (0%)
- Yellow (60%)
- Black (6%)



- Cyan (6%)
- Magenta (6%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2529, 81.7085, 23.4306 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 69.2529, 81.7085, 23.4306 by changing the saturation by 10% instead.



69.2529, 81.7085,  
23.4306

69.2529, 81.7085,  
23.4306

447.2299,  
500.6721, 283.1223

51.1951, 61.1253,  
14.7035

117.1748,  
135.7651, 50.0315

36.5856, 44.3263,  
8.4673

147.7696,  
170.0074, 68.7425

25.0590, 30.9271,  
4.3033

183.2741,  
209.5714, 91.6184

16.2500, 20.5433,  
1.7932

224.0537,  
254.8416, 119.0779

9.7932, 12.7906,  
0.4235

270.4737,  
306.2024, 151.5395

5.3233, 7.2845,  
0.0000

322.8995,

2.4748, 3.6407,

364.0381, 189.4217

0.0000

381.6965,  
428.7332, 233.1431

■ 0.8826, 1.4747,  
0.0000

■ 0.0000, 0.2708,  
0.0000

■ 69.2529, 81.7085,  
23.4306

■ 69.2529, 81.7085,  
23.4306

■ 68.2993, 81.3300,  
18.4025

■ 70.5489, 82.2299,  
30.2444

■ 67.6506, 81.0705,  
14.9887


■ 72.2090, 82.8941,  
38.9847


■ 67.2712, 80.9187,  
12.9931


■ 74.2602, 83.7146,  
49.7839


■ 67.1008, 80.8505,  
12.0979


■ 76.7250, 84.7005,  
62.7612


 67.0953, 80.8483,  
12.0690

 79.6244, 85.8603,  
78.0269

 82.9778, 87.2018,  
95.6839

 85.1498, 88.0706,  
107.1192

 85.1502, 88.0708,  
107.1192

 85.1506, 88.0710,  
107.1192

# Harmonies

## Analogous

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



87.1937, 81.7085, 23.5680



69.2529, 81.7085, 23.4306



55.8154, 81.7085, 35.4608

# Triad

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



69.2529, 81.7085, 23.4306



55.5602, 81.7085, 178.2407



116.0011, 81.7085, 117.8867

# Complementary

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



69.2529, 81.7085, 23.4306



24.9352, 17.3839, 84.4843

# 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.



104.5726, 81.7085, 179.6942



69.2529, 81.7085, 23.4306



68.8506, 81.7085, 222.6868

# Square

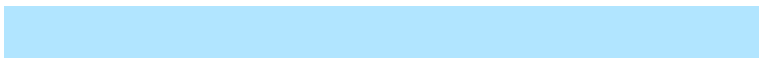
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.2529, 81.7085, 23.4306



48.7787, 81.7085, 116.3899



86.7245, 81.7085, 223.3028



116.1535, 81.7085, 66.2295



# Rectangle

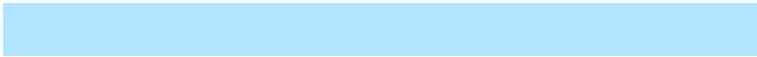
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.2529, 81.7085, 23.4306



50.4212, 81.7085, 52.9209



86.7245, 81.7085, 223.3028



113.2808, 81.7085, 138.5061

# Sweetspot

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



69.2548, 81.7123, 23.4323



88.5202, 97.3880, 74.5188



42.3704, 27.9398, 14.4701



18.7547, 20.7681, 14.9377



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.



69.2548, 81.7123, 23.4323



78.2310, 93.2720, 20.3498



49.5762, 71.5676, 22.5113



17.1229, 18.4590, 16.8102



36.7268, 44.2549, 6.6063



3.0553, 3.6816, 0.5496



# Inverse Universe

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



24.9352, 17.3839, 84.4843



23.3163, 13.5651, 95.9972



36.2605, 23.2223, 85.0143



14.8974, 15.2288, 19.8759



8.6100, 3.4440, 45.3388

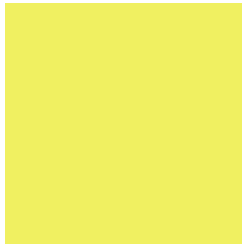


0.7163, 0.2865, 3.7718



# Previews

## White Background



This preview shows how the XYZ color 69.2529, 81.7085, 23.4306 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

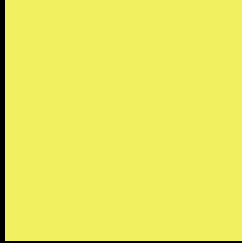
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.2529, 81.7085, 23.4306 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

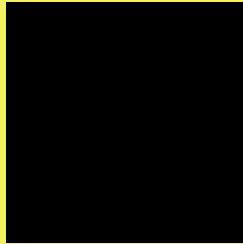
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.2529, 81.7085, 23.4306

## Background



This preview shows how black text looks on a background with the XYZ color 69.2529, 81.7085, 23.4306.



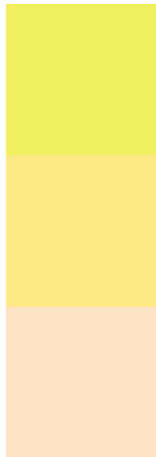
This preview shows how white text looks on a background with the XYZ color 69.2529, 81.7085,



# 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

69.2529, 81.7085, 23.4306

### Protanopia

74.6820, 81.2591, 34.3027

### Deuteranopia

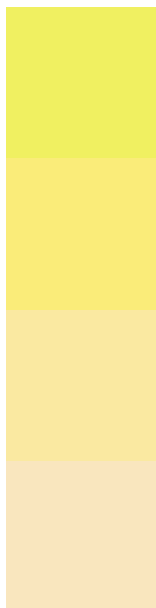
79.4524, 81.3758, 64.9456



## Tritanopia

83.9759, 81.3923, 96.0783

# Trichromacy



## Original Color

69.2529, 81.7085, 23.4306

## Protanomaly

72.8710, 81.6954, 30.0172

## Deuteranomaly

74.9963, 81.1750, 45.4338

## Tritanomaly

76.6580, 80.4511, 60.2035

# Monochromacy



## Original Color

69.2529, 81.7085, 23.4306

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

68.9658, 76.6310, 53.2759

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.2529, 81.7085, 23.4306 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(240, 240, 97)` looks like.

```
.text, #text, p{  
    color:rgb(240, 240, 97)  
}
```

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(240, 240, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 240, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 69.2529, 81.7085, 23.4306 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(240, 240, 97) }
```



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

```
.border{ border-color:rgb(240, 240, 97) }
```

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

Here you see how a box with a 4 pixel rgb(240, 240, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 240, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 240, 97);  
box-shadow:4px 4px 4px 4px rgb(240, 240,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.2529, 81.7085, 23.4306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 240, 97) }
```

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

```
.background{ background-color: rgb(240,  
240, 97) }
```

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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