

# Converting Colors

XYZ(69.4570, 84.1382, 28.6565)

Have a look what the booklet for  
XYZ(69.4570, 84.1382, 28.6565)  
contains.

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# Color

**XYZ(69.3512, 83.8663,  
28.7523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9F573
RGB	233, 245, 115
RGB Percent	91%, 96%, 45%
CMY	0.0863, 0.0392, 0.5490
CMYK	0.05, 0.00, 0.53, 0.04
HSL	66°, 87%, 71%
HSV	66°, 53%, 96%
XYZ	69.3512, 83.8663, 28.7523
YIQ	226.5920, 34.5780, -42.9740

# Conversions

## Conversions Part 2

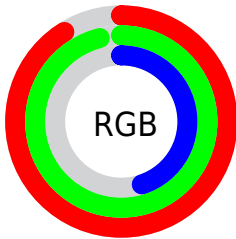
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 245, 127
Decimal	15332723
CIELab	93.39, -21.38, 60.30
CIELCh	93, 63.975, 109.528
Yxy	83.8663, 0.3811, 0.4609
Android (android.graphics.Color)	4293522803 (0xFFE9F573)
YUV	226.5920, -55.0149, 5.6198
Hunter-Lab	91.5785, -25.0868, 45.4901

# Details

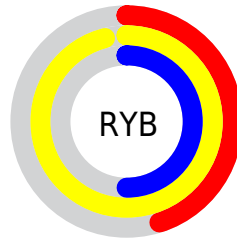
The XYZ color **69.3512, 83.8663, 28.7523** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **31.3675, 23.3681, 89.2485**, and the grayscale version is **73.0884, 76.8947, 83.7384**.

A 20% lighter version of the original color is **84.2557, 95.6823, 52.0580**, and **36.6924, 45.8354, 11.1882** is the 20% darker color. If you saturate the color by 10%, you get **67.3914, 83.0006, 22.2543**, and if you desaturate by 10%, it is **71.6991, 84.8944, 37.2271**.

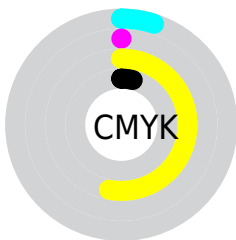
# Distribution



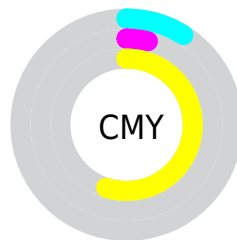
- Red (91%)
- Green (96%)
- Blue (45%)



- Red (45%)
- Yellow (96%)
- Blue (50%)



- Cyan (5%)
- Magenta (0%)
- Yellow (53%)
- Black (4%)




- Cyan (9%)
- Magenta (4%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3512, 83.8663, 28.7523 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 69.3512, 83.8663, 28.7523 by changing the saturation by 10% instead.





 69.3512, 83.8663,  
28.7523


 69.3512, 83.8663,  
28.7523


447.5707,  
507.8692, 310.0687


 51.2755, 62.9051,  
18.6496


 117.3144,  
138.7881, 58.7208

 36.6498, 45.7644,  
11.2431


 147.9325,  
173.5175, 79.4236

 25.1089, 32.0599,  
6.1144


 183.4622,  
213.6051, 104.4969

 16.2874, 21.4073,  
2.8448

224.2687,  
259.4352, 134.3591

 9.8199, 13.4220,  
1.0160

270.7175,  
311.3922, 169.4289

 5.3410, 7.7198,  
0.0000

323.1738,

 2.4855, 3.9162,

369.8607, 210.1247

0.0000

382.0031,  
435.2248, 256.8651

■ 0.8880, 1.6268,  
0.0000

■ 0.0000, 0.3756,  
0.0000

■ 69.3512, 83.8663,  
28.7523

■ 69.3512, 83.8663,  
28.7523

■ 67.3914, 83.0006,  
22.2543

■ 71.6991, 84.8944,  
37.2271

■ 65.7833, 82.2736,  
17.5679


■ 74.4563, 86.0843,  
47.8160


■ 64.4937, 81.6752,  
14.5097


■ 77.6493, 87.4496,  
60.6502


■ 63.4800, 81.1882,  
12.8555


■ 81.3008, 88.9993,  
75.8486


 62.8945, 80.8980,  
12.3000

 85.4318, 90.7420,  
93.5219

 88.9129, 92.2259,  
107.7229

 89.7140, 92.6389,  
107.7604

 90.5248, 93.0569,  
107.7983

 91.3454, 93.4799,  
107.8367

# Harmonies

## Analogous

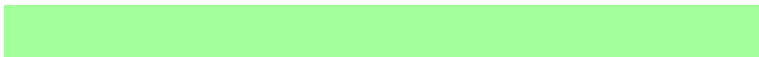
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7563, 83.8663, 27.0304



69.3512, 83.8663, 28.7523



57.4899, 83.8663, 43.3066

# Triad

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



69.3512, 83.8663, 28.7523



60.4527, 83.8663, 181.8140



116.0642, 83.8663, 109.2680

# Complementary

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



69.3512, 83.8663, 28.7523



31.3675, 23.3681, 89.2485

# 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.



107.0301, 83.8663, 165.8840



69.3512, 83.8663, 28.7523



73.9594, 83.8663, 216.5582

# Square

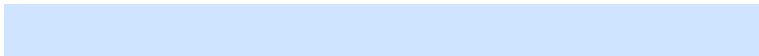
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.3512, 83.8663, 28.7523



52.8764, 83.8663, 126.0322



91.0574, 83.8663, 209.8752



114.3691, 83.8663, 63.6437



# Rectangle

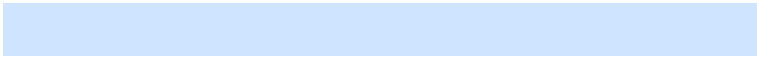
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.3512, 83.8663, 28.7523



53.0156, 83.8663, 62.5195



91.0574, 83.8663, 209.8752



114.1367, 83.8663, 127.8240

# Sweetspot

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



69.3532, 83.8701, 28.7540



87.7904, 96.9376, 77.8361



48.1932, 35.5317, 20.5390



18.6120, 20.6728, 15.9137



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.



69.3532, 83.8701, 28.7540



73.5935, 90.8017, 23.7271



52.1481, 75.0006, 27.9489



17.7549, 19.2312, 17.5738



33.9436, 43.6114, 6.6288



3.0265, 3.8553, 0.5846



# Inverse Universe

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



31.3675, 23.3681, 89.2485



27.9080, 17.9576, 96.6030



44.0589, 29.9107, 89.8425



15.7231, 15.9999, 20.8022



9.1135, 3.6725, 46.7666

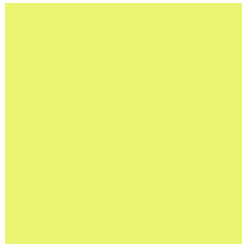


0.8482, 0.3471, 4.1125



# Previews

## White Background



This preview shows how the XYZ color 69.3512, 83.8663, 28.7523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

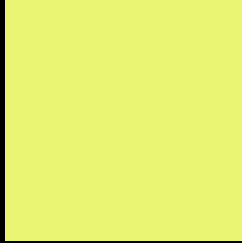
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.3512, 83.8663, 28.7523 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 69.3512, 83.8663, 28.7523**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.3512, 83.8663, 28.7523.



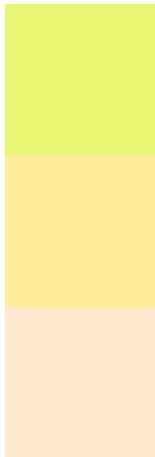
This preview shows how white text looks on a background with the XYZ color 69.3512, 83.8663,



# 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

69.3512, 83.8663, 28.7523

### Protanopia

77.1518, 83.6175, 43.0838

### Deuteranopia

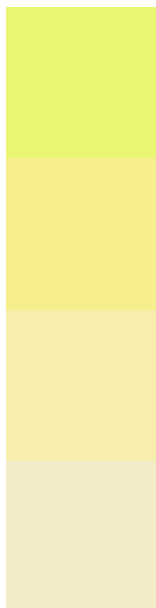
81.2372, 83.4295, 70.2144



## Tritanopia

84.0326, 83.7655, 101.3619

# Trichromacy



## Original Color

69.3512, 83.8663, 28.7523

## Protanomaly

73.9579, 83.4006, 37.0109

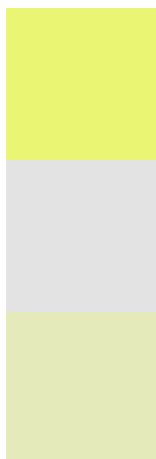
## Deuteranomaly

76.1848, 83.3597, 51.6098

## Tritanomaly

77.0387, 83.0383, 66.6112

# Monochromacy



## Original Color

69.3512, 83.8663, 28.7523

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

70.5988, 79.0488, 57.9914

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.3512, 83.8663, 28.7523 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(233, 245, 115)` looks like.

```
.text, #text, p{  
    color:rgb(233, 245, 115)  
}
```

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(233, 245, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 245, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 69.3512, 83.8663, 28.7523 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(233, 245, 115) }
```



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

```
.border{ border-color:rgb(233, 245, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 245, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 245, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 245, 115);  
box-shadow:4px 4px 4px 4px rgb(233, 245,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.3512, 83.8663, 28.7523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 245, 115) }
```

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

```
.background{ background-color: rgb(233,  
245, 115) }
```

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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