

# Converting Colors

XYZ(68.3507, 79.0303, 23.7520)

Have a look what the booklet for  
XYZ(68.3507, 79.0303, 23.7520)  
contains.

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# Color

**XYZ(68.2842, 79.0375,  
23.7134)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1EB64
RGB	241, 235, 100
RGB Percent	95%, 92%, 39%
CMY	0.0549, 0.0784, 0.6078
CMYK	0.00, 0.02, 0.59, 0.05
HSL	57°, 83%, 67%
HSV	57°, 59%, 95%
XYZ	68.2842, 79.0375, 23.7134
YIQ	221.4040, 46.9110, -40.7130

# Conversions

## Conversions Part 2

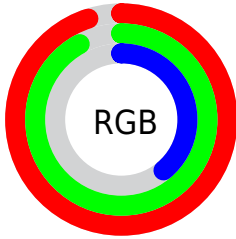
Format	Color
<a href="#">RYB</a>	<a href="#">106, 241, 100</a>
Decimal	<a href="#">15854436</a>
CIELab	<a href="#">91.25, -14.48, 64.59</a>
CIELCh	<a href="#">91, 66.188, 102.634</a>
Yxy	<a href="#">79.0375, 0.3992, 0.4621</a>
Android (android.graphics.Color)	<a href="#">4294044516</a> ( <a href="#">0xFFFF1EB64</a> )
YUV	<a href="#">221.4040, -59.8522, 17.1857</a>
Hunter-Lab	<a href="#">88.9030, -18.4789, 46.4175</a>

# Details

The XYZ color **68.2842, 79.0375, 23.7134** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **26.2868, 19.3679, 85.5716**, and the grayscale version is **69.3979, 73.0119, 79.5100**.

A 20% lighter version of the original color is **82.9164, 95.1466, 45.0053**, and **35.8475, 42.3597, 8.5724** is the 20% darker color. If you saturate the color by 10%, you get **66.9943, 78.0565, 18.3554**, and if you desaturate by 10%, it is **69.9244, 80.1672, 30.8917**.

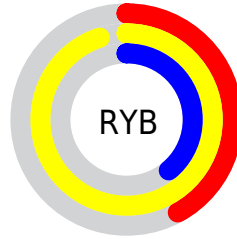
# Distribution



Red (95%)

Green (92%)

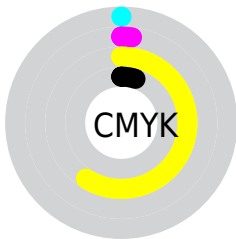
Blue (39%)



Red (42%)

Yellow (95%)

Blue (39%)

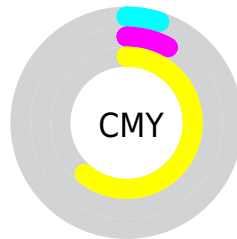


Cyan (0%)

Magenta (2%)

Yellow (59%)

Black (5%)



Cyan (5%)

Magenta (8%)

Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2842, 79.0375, 23.7134 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 68.2842, 79.0375, 23.7134 by changing the saturation by 10% instead.



68.2842, 79.0375,  
23.7134

68.2842, 79.0375,  
23.7134

443.8632,  
491.6832, 284.6081

50.4035, 58.9266,  
14.9109

115.7983,  
132.0117, 50.5001

35.9532, 42.5541,  
8.6110

146.1624,  
165.6437, 69.3213

24.5680, 29.5354,  
4.3950

181.4184,  
204.5517, 92.3193

15.8825, 19.4862,  
1.8444

221.9315,  
249.1199, 119.9124

9.5314, 12.0221,  
0.4570

268.0672,  
299.7327, 152.5193

5.1492, 6.7587,  
0.0000

320.1908,

2.3707, 3.3117,

356.7747, 190.5586

0.0000

378.6677,  
420.6300, 234.4486

■ 0.8305, 1.2965,  
0.0000

■ 0.0000, 0.1385,  
0.0000

■ 68.2842, 79.0375,  
23.7134

■ 68.2842, 79.0375,  
23.7134

■ 66.9943, 78.0565,  
18.3554

■ 69.9244, 80.1672,  
30.8917

■ 66.0178, 77.2007,  
14.6474


■ 71.9371, 81.4456,  
40.0308


■ 65.3193, 76.4587,  
12.3955


■ 74.3488, 82.8863,  
51.2630


■ 64.8456, 75.8094,  
11.3184

■ 77.1822, 84.4985,  
64.7078


 64.7830, 75.7158,  
11.2002

 80.4584, 86.2905,  
80.4756

 84.1970, 88.2701,  
98.6695

 86.1303, 89.5304,  
107.3493

 86.4364, 90.1425,  
107.4513

 86.7442, 90.7581,  
107.5539

# Harmonies

## Analogous

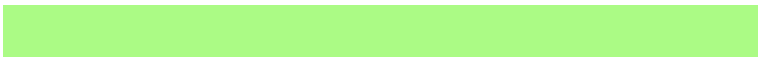
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1714, 79.0375, 24.5597



68.2842, 79.0375, 23.7134



55.3189, 79.0375, 34.4036

# Triad

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



68.2842, 79.0375, 23.7134



53.7966, 79.0375, 165.0487



110.3189, 79.0375, 116.6932

# Complementary

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



68.2842, 79.0375, 23.7134



26.2868, 19.3679, 85.5716

# 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.



99.1653, 79.0375, 173.5196



68.2842, 79.0375, 23.7134



65.8973, 79.0375, 207.8176

# Square

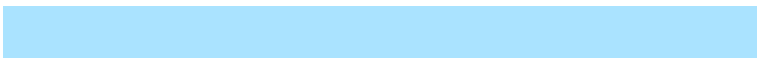
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.2842, 79.0375, 23.7134



47.8309, 79.0375, 107.8934



82.4033, 79.0375, 211.3931



111.2123, 79.0375, 67.3879



# Rectangle

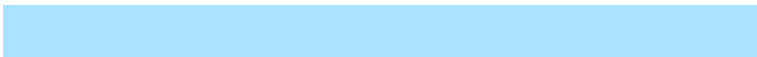
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.2842, 79.0375, 23.7134



49.9561, 79.0375, 50.1852



82.4033, 79.0375, 211.3931



107.5767, 79.0375, 135.9104

# Sweetspot

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



68.2861, 79.0412, 23.7150



87.9018, 96.1499, 74.3124



43.4897, 28.8785, 17.2067



18.6010, 20.4605, 14.8864



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.



68.2861, 79.0412, 23.7150



75.9491, 88.5630, 20.0204



52.0130, 73.2425, 23.4535



17.0620, 18.3371, 16.7899



35.1568, 41.1117, 6.0824



2.9424, 3.4556, 0.5119



# Inverse Universe

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



26.2868, 19.3679, 85.5716



24.2475, 15.1313, 96.2504



35.6316, 23.3003, 85.8381



14.9511, 15.3364, 19.8938



8.6946, 3.6134, 45.3671

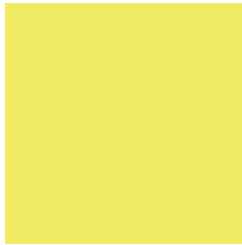


0.7421, 0.3383, 3.7804



# Previews

## White Background



This preview shows how the XYZ color 68.2842, 79.0375, 23.7134 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 68.2842, 79.0375, 23.7134 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 68.2842, 79.0375, 23.7134**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.2842, 79.0375, 23.7134.



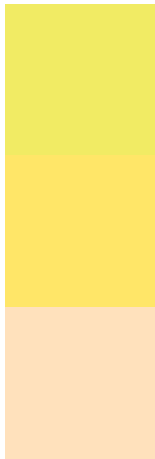
This preview shows how white text looks on a background with the XYZ color 68.2842, 79.0375,



# 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

68.2842, 79.0375, 23.7134

### Protanopia

72.0355, 78.8531, 24.5202

### Deuteranopia

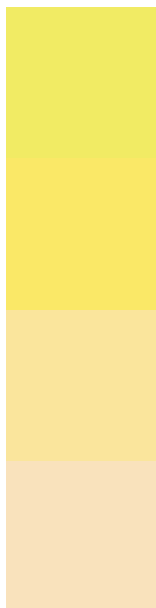
77.2423, 78.7413, 58.7044



## **Tritanopia**

82.1621, 78.9568, 91.7987

# Trichromacy



## Original Color

68.2842, 79.0375, 23.7134

## Protanomaly

70.7291, 79.0165, 24.3558

## Deuteranomaly

73.4444, 78.7629, 42.7843

## Tritanomaly

75.3404, 78.1633, 58.6931

# Monochromacy



## Original Color

68.2842, 79.0375, 23.7134

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

67.1271, 74.0610, 52.3522

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.2842, 79.0375, 23.7134 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(241, 235, 100)` looks like.

```
.text, #text, p{  
    color:rgb(241, 235, 100)  
}
```

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(241, 235, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 235, 100) }
```

## Border

The CSS property to change the border of an element to XYZ 68.2842, 79.0375, 23.7134 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(241, 235, 100) }
```



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

```
.border{ border-color:rgb(241, 235, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 235, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 235, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 235, 100);  
box-shadow:4px 4px 4px 4px rgb(241, 235,  
100) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.2842, 79.0375, 23.7134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 235, 100) }
```

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

```
.background{ background-color: rgb(241,  
235, 100) }
```

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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