

# Converting Colors

XYZ(25.2745, 45.8918, 12.0819)

Have a look what the booklet for  
XYZ(25.2745, 45.8918, 12.0819)  
contains.

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# Color

**XYZ(25.3623, 46.0973,  
12.1184)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	41CF3E
RGB	65, 207, 62
RGB Percent	25%, 81%, 24%
CMY	0.7451, 0.1882, 0.7568
CMYK	0.69, 0.00, 0.70, 0.19
HSL	119°, 60%, 53%
HSV	119°, 70%, 81%
XYZ	25.3623, 46.0973, 12.1184
YIQ	148.0120, -38.0870, -75.1990

# Conversions

## Conversions Part 2

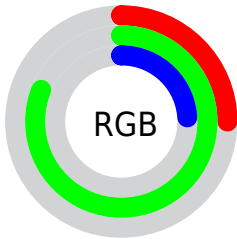
Format	Color
<a href="#">RYB</a>	62, 207, 204
Decimal	4312894
CIELab	73.61, -64.34, 58.29
CIELCh	74, 86.824, 137.825
Yxy	46.0973, 0.3035, 0.5515
Android (android.graphics.Color)	4282502974 (0xFF41CF3E)
YUV	148.0120, -42.4039, -72.8015
Hunter-Lab	67.8950, -52.1372, 36.9440

# Details

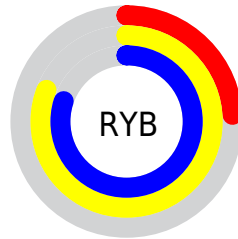
The XYZ color **25.3623, 46.0973, 12.1184** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **37.8902, 20.7897, 61.0498**, and the grayscale version is **28.3371, 29.8129, 32.4662**.

A 20% lighter version of the original color is **48.3310, 77.6296, 29.2663**, and **11.0666, 22.1332, 3.6889** is the 20% darker color. If you saturate the color by 10%, you get **23.7896, 45.3415, 9.6238**, and if you desaturate by 10%, it is **27.6349, 47.1916, 15.7765**.

# Distribution



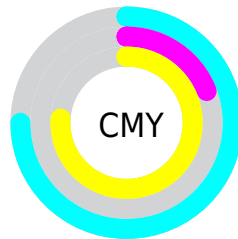
- Red (25%)
- Green (81%)
- Blue (24%)



- Red (24%)
- Yellow (81%)
- Blue (80%)



- Cyan (69%)
- Magenta (0%)
- Yellow (70%)
- Black (19%)



- Cyan (75%)
- Magenta (19%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3623, 46.0973, 12.1184 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 25.3623, 46.0973, 12.1184 by changing the saturation by 10% instead.



■ 25.3623, 46.0973,  
12.1184

■ 25.3623, 46.0973,  
12.1184

271.9519,  
371.1997, 216.1932

■ 16.4774, 32.3226,  
6.7008

■ 51.6830, 84.3646,  
30.3782

■ 9.9556, 21.6080,  
3.2001

■ 69.8496, 109.6260,  
44.0575

■ 5.4315, 13.5692,  
1.1977

■ 91.8406, 139.4851,  
61.3278

■ 2.5400, 7.8216,  
0.0000

■ 118.0216,  
174.3263, 82.6076

■ 0.9154, 3.9810,  
0.0000

■ 148.7579,  
214.5339, 108.3156

■ 0.0000, 1.6630,  
0.0000

184.4148,

■ 0.0000, 0.3995,

260.4924, 138.8701

0.0000

225.3577,  
312.5862, 174.6898

■ 0.0000, 0.0000,  
0.0000

■ 25.3623, 46.0973,  
12.1184

■ 25.3623, 46.0973,  
12.1184

■ 23.7896, 45.3415,  
9.6238

■ 27.6349, 47.1916,  
15.7765

■ 22.8331, 44.8800,  
8.1497


■ 30.6724, 48.6514,  
20.7131


■ 22.3673, 44.6551,  
7.4404


■ 34.5361, 50.5073,  
27.0327


■ 39.2800, 52.7853,  
34.8283

■ 44.9539, 55.5091,  
44.1848

 51.6036, 58.7006,  
55.1807

 59.2720, 62.3805,  
67.8892

 67.9993, 66.5679,  
82.3790

 77.8237, 71.2811,  
98.7152

# Harmonies

## Analogous

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



35.3777, 46.0973, 5.0465



25.3623, 46.0973, 12.1184



20.8133, 46.0973, 34.3769

# Triad

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



25.3623, 46.0973, 12.1184



37.8732, 46.0973, 186.6692



78.3918, 46.0973, 28.4898

# Complementary

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



25.3623, 46.0973, 12.1184



37.8902, 20.7897, 61.0498

# 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.



79.5078, 46.0973, 70.2379



25.3623, 46.0973, 12.1184



53.4952, 46.0973, 181.5355

# Square

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



25.3623, 46.0973, 12.1184



26.8196, 46.0973, 142.6476



69.5616, 46.0973, 131.1395



66.7967, 46.0973, 9.9726

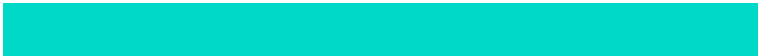


# Rectangle

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



25.3623, 46.0973, 12.1184



20.5771, 46.0973, 62.6163



69.5616, 46.0973, 131.1395



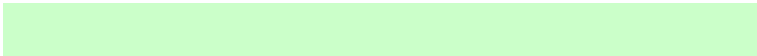
80.0887, 46.0973, 39.5307

# Sweetspot

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



25.3634, 46.0992, 12.1194



70.8635, 88.3925, 68.8629



47.7635, 55.9350, 12.8373



14.6019, 18.6481, 13.8059



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.



25.3634, 46.0992, 12.1194



37.2488, 72.2417, 14.0604



28.3079, 47.2547, 28.6327



11.6786, 13.2177, 12.5478



14.1016, 28.1386, 4.6881



0.7966, 1.5775, 0.2625



# Inverse Universe

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



37.8902, 20.7897, 61.0498



58.4671, 29.2226, 97.1667



32.1411, 18.5858, 26.4491



12.2857, 11.9961, 14.9116



22.5763, 10.8188, 38.0908

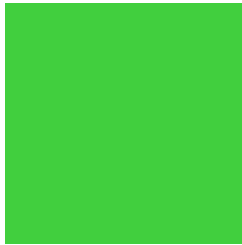


1.2702, 0.6090, 2.1302



# Previews

## White Background



This preview shows how the XYZ color 25.3623, 46.0973, 12.1184 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

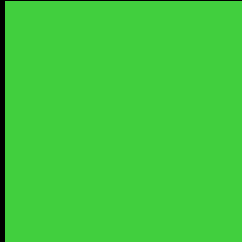
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.3623, 46.0973, 12.1184 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

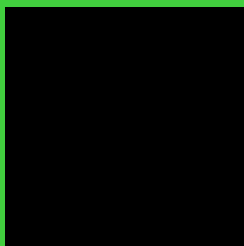
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 25.3623, 46.0973, 12.1184**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.3623, 46.0973, 12.1184.



This preview shows how white text looks on a background with the XYZ color 25.3623, 46.0973,



# 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

25.3623, 46.0973, 12.1184

### Protanopia

41.0982, 45.3359, 10.1990

### Deuteranopia

46.0762, 44.9454, 12.9035



## Tritanopia

36.2875, 45.6864, 67.2274

# Trichromacy



## Original Color

25.3623, 46.0973, 12.1184



## Protanomaly

32.1261, 43.8078, 10.7655



## Deuteranomaly

33.7649, 42.4162, 12.2019



## Tritanomaly

30.4113, 44.9621, 38.5282

# Monochromacy



## Original Color

25.3623, 46.0973, 12.1184



## Achromatopsia

28.1479, 29.6138, 32.2495



## Achromatomaly

24.8701, 33.5118, 21.9873

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.3623, 46.0973, 12.1184 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(65, 207, 62)` looks like.

```
.text, #text, p{  
    color:rgb(65, 207, 62)  
}
```

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(65, 207, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 207, 62) }
```

## Border

The CSS property to change the border of an element to XYZ 25.3623, 46.0973, 12.1184 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(65, 207, 62) }
```



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

```
.border{ border-color:rgb(65, 207, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 207, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 207, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 207, 62);  
box-shadow:4px 4px 4px 4px rgb(65, 207,  
62) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.3623, 46.0973, 12.1184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 207, 62) }
```

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

```
.background{ background-color: rgb(65, 207,  
62) }
```

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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