

# Converting Colors

XYZ(25.5933, 46.0566, 12.0930)

Have a look what the booklet for  
XYZ(25.5933, 46.0566, 12.0930)  
contains.

<b>XYZ(25.7081, 46.2755, 12.1345)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(25.7081, 46.2755,  
12.1345)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46CF3E
RGB	70, 207, 62
RGB Percent	27%, 81%, 24%
CMY	0.7255, 0.1882, 0.7568
CMYK	0.66, 0.00, 0.70, 0.19
HSL	117°, 60%, 53%
HSV	117°, 70%, 81%
XYZ	25.7081, 46.2755, 12.1345
YIQ	149.5070, -35.1070, -74.1390

# Conversions

## Conversions Part 2

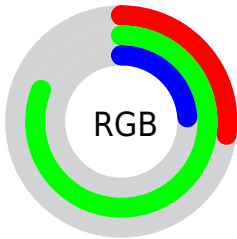
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 207, 199
Decimal	4640574
CIELab	73.72, -63.39, 58.45
CIELCh	74, 86.221, 137.320
Yxy	46.2755, 0.3056, 0.5501
Android (android.graphics.Color)	4282830654 (0xFF46CF3E)
YUV	149.5070, -43.1410, -69.7276
Hunter-Lab	68.0261, -51.5878, 37.0421

# Details

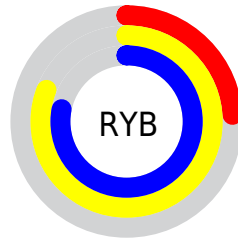
The XYZ color **25.7081, 46.2755, 12.1345** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **36.5411, 20.0941, 60.9865**, and the grayscale version is **28.9691, 30.4777, 33.1902**.

A 20% lighter version of the original color is **48.8024, 77.8727, 29.2884**, and **11.0666, 22.1332, 3.6889** is the 20% darker color. If you saturate the color by 10%, you get **24.0566, 45.4791, 9.6362**, and if you desaturate by 10%, it is **28.0374, 47.3991, 15.7953**.

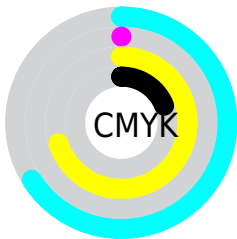
# Distribution



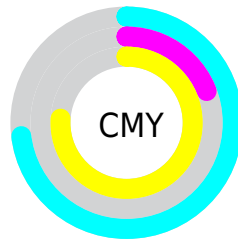
- Red (27%)
- Green (81%)
- Blue (24%)



- Red (24%)
- Yellow (81%)
- Blue (78%)



- Cyan (66%)
- Magenta (0%)
- Yellow (70%)
- Black (19%)




- Cyan (73%)
- Magenta (19%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7081, 46.2755, 12.1345 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 25.7081, 46.2755, 12.1345 by changing the saturation by 10% instead.





 25.7081, 46.2755,  
12.1345


 25.7081, 46.2755,  
12.1345


273.6293,  
371.9151, 216.3031


 16.7369, 32.4633,  
6.7117


 52.2383, 84.6312,  
30.4079

 10.1412, 21.7156,  
3.2068


 70.5281, 109.9434,  
44.0955


 5.5557, 13.6481,  
1.2012


 92.6548, 139.8577,  
61.3752

 2.6149, 7.8763,  
0.0000

 118.9837,  
174.7586, 82.6655

 0.9536, 4.0159,  
0.0000

 149.8803,  
215.0304, 108.3849

 0.0000, 1.6825,  
0.0000

185.7098,

 0.0000, 0.4123,

261.0575, 138.9519

0.0000

226.8377,  
313.2243, 174.7851

■ 0.0000, 0.0000,  
0.0000

■ 25.7081, 46.2755,  
12.1345

■ 25.7081, 46.2755,  
12.1345

■ 24.0566, 45.4791,  
9.6362

■ 28.0374, 47.3991,  
15.7953

■ 23.0070, 44.9696,  
8.1578


■ 31.1036, 48.8736,  
20.7332


■ 22.4573, 44.7015,  
7.4446


■ 34.9628, 50.7273,  
27.0525


■ 39.6651, 52.9838,  
34.8461

■ 45.2563, 55.6649,  
44.1987

 51.7789, 58.7909,  
55.1886

 59.2726, 62.3808,  
67.8888

 67.7750, 66.4522,  
82.3681

 77.3216, 71.0223,  
98.6912

# Harmonies

## Analogous

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



35.7942, 46.2755, 5.1618



25.7081, 46.2755, 12.1345



21.0733, 46.2755, 34.0628

# Triad

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



25.7081, 46.2755, 12.1345



37.8369, 46.2755, 185.3765



78.4684, 46.2755, 29.2364

# Complementary

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



25.7081, 46.2755, 12.1345



36.5411, 20.0941, 60.9865

# 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.



79.3785, 46.2755, 71.2348



25.7081, 46.2755, 12.1345



53.3352, 46.2755, 181.2016

# Square

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



25.7081, 46.2755, 12.1345



26.9033, 46.2755, 141.1656



69.3478, 46.2755, 131.7970



67.0917, 46.2755, 10.3619



# Rectangle

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



25.7081, 46.2755, 12.1345



20.7821, 46.2755, 61.9002



69.3478, 46.2755, 131.7970



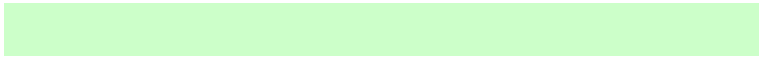
80.0888, 46.2755, 40.3965

# Sweetspot

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



25.7092, 46.2774, 12.1355



71.3681, 88.6526, 68.8865



46.6457, 53.6996, 12.4647



14.7189, 18.7083, 13.8113



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.



25.7092, 46.2774, 12.1355



37.6046, 72.4251, 14.0770



27.9919, 47.1283, 26.9690



11.7158, 13.2369, 12.5495



14.1743, 28.1761, 4.6915



0.8142, 1.5866, 0.2633



# Inverse Universe

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



36.5411, 20.0941, 60.9865



55.8632, 27.8803, 97.0449



32.5032, 18.7306, 28.3563



12.2437, 11.9745, 14.9096



21.3978, 10.2112, 38.0357

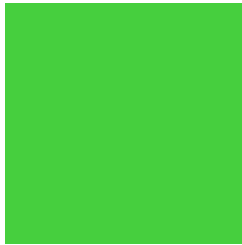


1.2165, 0.5813, 2.1277



# Previews

## White Background



This preview shows how the XYZ color 25.7081, 46.2755, 12.1345 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 25.7081, 46.2755, 12.1345 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 25.7081, 46.2755, 12.1345**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.7081, 46.2755, 12.1345.



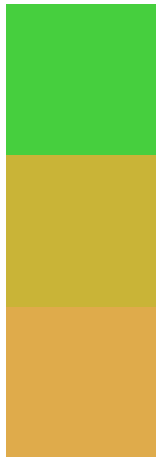
This preview shows how white text looks on a background with the XYZ color 25.7081, 46.2755,



# 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

25.7081, 46.2755, 12.1345

### Protanopia

41.0982, 45.3359, 10.1990

### Deuteranopia

46.2643, 45.3218, 12.9662



## Tritanopia

36.5224, 45.8075, 67.2384

# Trichromacy



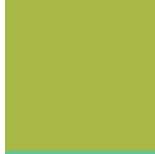
## Original Color

25.7081, 46.2755, 12.1345



## Protanomaly

32.3140, 43.9047, 10.7743



## Deuteranomaly

34.1823, 42.9387, 12.2807



## Tritanomaly

30.7090, 45.1156, 38.5421

# Monochromacy



## Original Color

25.7081, 46.2755, 12.1345



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

25.7181, 34.4988, 22.4430

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.7081, 46.2755, 12.1345 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(70, 207, 62)` looks like.

```
.text, #text, p{  
    color:rgb(70, 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(70, 207, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 207, 62) }
```

## Border

The CSS property to change the border of an element to XYZ 25.7081, 46.2755, 12.1345 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(70, 207, 62) }
```



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

```
.border{ border-color:rgb(70, 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(70, 207, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 207, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 207, 62);  
box-shadow:4px 4px 4px 4px rgb(70, 207,  
62) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.7081, 46.2755, 12.1345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 207, 62) }
```

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

```
.background{ background-color: rgb(70, 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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