

# Converting Colors

XYZ(25.9356, 42.9274, 10.6602)

Have a look what the booklet for  
XYZ(25.9356, 42.9274, 10.6602)  
contains.

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# Color

**XYZ(25.9356, 42.9274,  
10.6602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64C538
RGB	100, 197, 56
RGB Percent	39%, 77%, 22%
CMY	0.6078, 0.2274, 0.7804
CMYK	0.49, 0.00, 0.72, 0.23
HSL	101°, 56%, 50%
HSV	101°, 72%, 77%
XYZ	25.9356, 42.9274, 10.6602
YIQ	151.9230, -12.5510, -64.4150

# Conversions

## Conversions Part 2

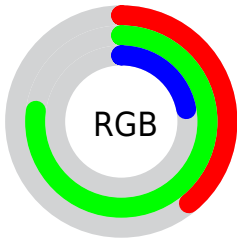
Format	Color
<a href="#">RYB</a>	<a href="#">56, 197, 153</a>
Decimal	<a href="#">6604088</a>
CIELab	<a href="#">71.51, -52.87, 58.69</a>
CIELCh	<a href="#">72, 78.996, 132.014</a>
Yxy	<a href="#">42.9274, 0.3261, 0.5398</a>
Android (android.graphics.Color)	<a href="#">4284794168</a> ( <a href="#">0xFF64C538</a> )
YUV	<a href="#">151.9230, -47.2900, -45.5365</a>
Hunter-Lab	<a href="#">65.5190, -43.9993, 36.2166</a>

# Details

The XYZ color **25.9356, 42.9274, 10.6602** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **24.6314, 13.6334, 54.1590**, and the grayscale version is **30.0144, 31.5775, 34.3879**.

A 20% lighter version of the original color is **52.4116, 79.3004, 27.5831**, and **10.3661, 19.7033, 3.2568** is the 20% darker color. If you saturate the color by 10%, you get **24.1693, 42.0633, 8.5387**, and if you desaturate by 10%, it is **28.1429, 43.9996, 13.7933**.

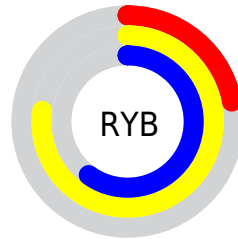
# Distribution



Red (39%)

Green (77%)

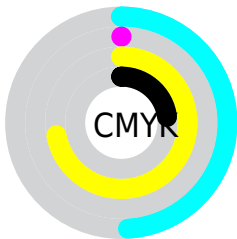
Blue (22%)



Red (22%)

Yellow (77%)

Blue (60%)

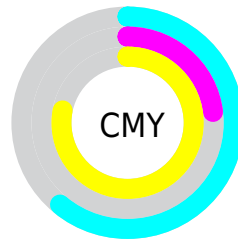


Cyan (49%)

Magenta (0%)

Yellow (72%)

Black (23%)



Cyan (61%)

Magenta (23%)


Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9356, 42.9274, 10.6602 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 25.9356, 42.9274, 10.6602 by changing the saturation by 10% instead.





 25.9356, 42.9274,  
10.6602


 25.9356, 42.9274,  
10.6602


274.7283,  
358.3131, 205.9743


 16.9079, 29.8282,  
5.7276


 52.6031, 79.6013,  
27.6571

 10.2637, 19.7082,  
2.6140


 70.9736, 103.9447,  
40.5584


 5.6378, 12.1831,  
0.8997


 93.1890, 132.8050,  
56.9530

 2.6647, 6.8685,  
0.0000

 119.6148,  
166.5666, 77.2594

 0.9790, 3.3800,  
0.0000

 150.6163,  
205.6138, 101.8962

 0.0000, 1.3332,  
0.0000

186.5588,

 0.0000, 0.1667,

250.3310, 131.2819

0.0000

227.8077,  
301.1026, 165.8351

■ 0.0000, 0.0000,  
0.0000

■ 25.9356, 42.9274,  
10.6602

■ 25.9356, 42.9274,  
10.6602

■ 24.1693, 42.0633,  
8.5387

■ 28.1429, 43.9996,  
13.7933

■ 22.8048, 41.3859,  
7.3005

■ 30.8195, 45.2882,  
18.0405

■ 21.9207, 40.9414,  
6.7471

■ 33.9946, 46.8076,  
23.4947

■ 37.6938, 48.5692,  
30.2383

■ 41.9411, 50.5836,  
38.3467

■ 46.7586, 52.8609,  
47.8891

■ 52.1674, 55.4105,  
58.9303

■ 58.1874, 58.2413,  
71.5310

■ 64.8375, 61.3617,  
85.7486

# Harmonies

## Analogous

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



35.6944, 42.9274, 5.4276



25.9356, 42.9274, 10.6602



20.9526, 42.9274, 27.5374

# Triad

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



25.9356, 42.9274, 10.6602



33.3860, 42.9274, 157.1227



71.3632, 42.9274, 33.0635

# Complementary

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



25.9356, 42.9274, 10.6602



24.6314, 13.6334, 54.1590

# 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.



70.3643, 42.9274, 73.2749



25.9356, 42.9274, 10.6602



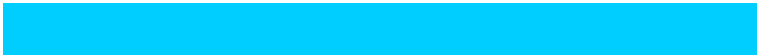
46.3733, 42.9274, 161.6076

# Square

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



25.9356, 42.9274, 10.6602



24.5642, 42.9274, 115.1143



60.4773, 42.9274, 125.2635



62.9661, 42.9274, 12.8096

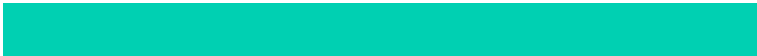


# Rectangle

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



25.9356, 42.9274, 10.6602



20.1694, 42.9274, 49.3684



60.4773, 42.9274, 125.2635



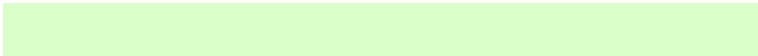
72.1582, 42.9274, 44.2079

# Sweetspot

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



25.9366, 42.9292, 10.6611



75.3166, 90.6882, 69.0713



35.0268, 34.7281, 8.5991



15.6412, 19.1838, 13.8545



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.



25.9366, 42.9292, 10.6611



41.7975, 74.5962, 13.8407



23.1158, 41.3822, 14.7229



10.8037, 12.0457, 11.3184



14.4941, 26.9673, 4.4413



0.7617, 1.3158, 0.2138



# Inverse Universe

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



24.6314, 13.6334, 54.1590



39.0611, 18.9747, 96.2115



31.8068, 17.6458, 40.3347



10.7487, 10.6442, 13.4055



13.3463, 6.1145, 35.2211



0.7040, 0.3267, 1.6711



# Previews

## White Background



This preview shows how the XYZ color 25.9356, 42.9274, 10.6602 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

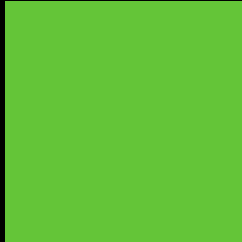
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.9356, 42.9274, 10.6602 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 25.9356, 42.9274, 10.6602**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.9356, 42.9274, 10.6602.



This preview shows how white text looks on a background with the XYZ color 25.9356, 42.9274,



# 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

25.9356, 42.9274, 10.6602

### Protanopia

38.2175, 42.1045, 9.1303

### Deuteranopia

43.1138, 42.0793, 11.3186



## Tritanopia

35.9067, 42.7645, 60.3947

# Trichromacy



## Original Color

25.9356, 42.9274, 10.6602



## Protanomaly

31.8450, 41.1774, 9.5184



## Deuteranomaly

34.1031, 40.8131, 10.9308



## Tritanomaly

30.6665, 42.2148, 34.1357

# Monochromacy



## Original Color

25.9356, 42.9274, 10.6602



## Achromatopsia

29.8446, 31.3989, 34.1934



## Achromatomaly

26.8864, 34.2762, 22.0285

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.9356, 42.9274, 10.6602 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(100, 197, 56)` looks like.

```
.text, #text, p{  
    color:rgb(100, 197, 56)  
}
```

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(100, 197, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 197, 56) }
```

## Border

The CSS property to change the border of an element to XYZ 25.9356, 42.9274, 10.6602 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(100, 197, 56) }
```



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

```
.border{ border-color:rgb(100, 197, 56) }
```

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

Here you see how a box with a 4 pixel rgb(100, 197, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 197, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 197, 56);  
box-shadow:4px 4px 4px 4px rgb(100, 197,  
56) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.9356, 42.9274, 10.6602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 197, 56) }
```

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

```
.background{ background-color: rgb(100,  
197, 56) }
```

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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