

# Converting Colors

XYZ(25.9231, 35.4366, 23.5515)

Have a look what the booklet for  
XYZ(25.9231, 35.4366, 23.5515)  
contains.

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# Color

**XYZ(25.9234, 35.4345,  
23.5624)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75AE79
RGB	117, 174, 121
RGB Percent	46%, 68%, 47%
CMY	0.5412, 0.3176, 0.5255
CMYK	0.33, 0.00, 0.30, 0.32
HSL	124°, 26%, 57%
HSV	124°, 33%, 68%
XYZ	25.9234, 35.4345, 23.5624
YIQ	150.9150, -16.9590, -28.5670

# Conversions

## Conversions Part 2

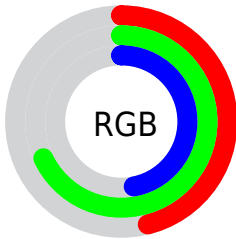
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 170, 174
Decimal	7712377
CIELab	66.09, -29.56, 21.45
CIELCh	66, 36.525, 144.032
Yxy	35.4345, 0.3053, 0.4173
Android (android.graphics.Color)	4285902457 (0xFF75AE79)
YUV	150.9150, -14.7481, -29.7435
Hunter-Lab	59.5269, -26.4370, 18.2002

# Details

The XYZ color **25.9234, 35.4345, 23.5624** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **31.0738, 24.6243, 41.1469**, and the grayscale version is **29.4461, 30.9796, 33.7368**.

A 20% lighter version of the original color is **52.7314, 68.3075, 50.4498**, and **10.2538, 15.3009, 8.5438** is the 20% darker color. If you saturate the color by 10%, you get **22.8889, 33.9764, 18.6686**, and if you desaturate by 10%, it is **29.5607, 37.1862, 29.3546**.

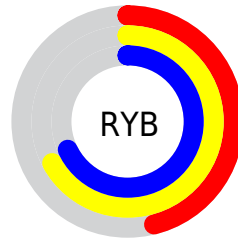
# Distribution



Red (46%)

Green (68%)

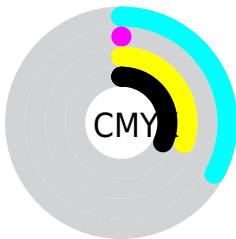
Blue (47%)



Red (46%)

Yellow (67%)

Blue (68%)

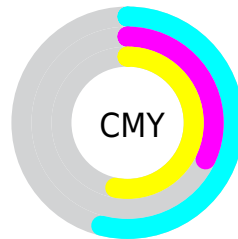


Cyan (33%)

Magenta (0%)

Yellow (30%)

Black (32%)



Cyan (54%)

Magenta (32%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9234, 35.4345, 23.5624 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 25.9234, 35.4345, 23.5624 by changing the saturation by 10% instead.



■ 25.9234, 35.4345,  
23.5624

■ 25.9234, 35.4345,  
23.5624

274.6695,  
326.4821, 283.8156

■ 16.8987, 23.9978,  
14.8001

■ 52.5835, 68.1583,  
50.2500

■ 10.2572, 15.3320,  
8.5342

■ 70.9497, 90.2142,  
69.0124

■ 5.6334, 9.0527,  
4.3460

■ 93.1604, 116.5786,  
91.9453

■ 2.6620, 4.7756,  
1.8170

119.5810,  
147.6359, 119.4672

■ 0.9776, 2.1162,  
0.4391

150.5768,  
183.7705, 151.9966

■ 0.0000, 0.6737,  
0.0000

186.5133,

■ 0.0000, 0.0000,

225.3668, 189.9521

0.0000

227.7557,  
272.8092, 233.7522

■ 25.9234, 35.4345,  
23.5624

■ 25.9234, 35.4345,  
23.5624

■ 22.8889, 33.9764,  
18.6686

■ 29.5607, 37.1862,  
29.3546

■ 20.4221, 32.7916,  
14.6259

■ 33.8282, 39.2416,  
36.0846

■ 18.4884, 31.8645,  
11.3866


■ 38.7545, 41.6158,  
43.7922


■ 17.0483, 31.1757,  
8.8970


■ 44.3662, 44.3214,  
52.5141


■ 16.0570, 30.7034,  
7.0970


■ 50.6880, 47.3707,  
62.2855

 15.4610, 30.4217,  
5.9173

 57.7435, 50.7750,  
73.1395

 15.2044, 30.3005,  
5.4019

 65.5552, 54.5453,  
85.1080

 73.7004, 58.4629,  
98.2007

 74.4267, 58.7535,  
102.0256

# Harmonies

## Analogous

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



29.6079, 35.4345, 17.2252



25.9234, 35.4345, 23.5624



24.3343, 35.4345, 35.5587

# Triad

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



25.9234, 35.4345, 23.5624



32.6065, 35.4345, 76.5702



44.1321, 35.4345, 27.6510

# Complementary

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



25.9234, 35.4345, 23.5624



31.0738, 24.6243, 41.1469

# 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.



45.1548, 35.4345, 41.7723



25.9234, 35.4345, 23.5624



38.1081, 35.4345, 72.8005

# Square

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



25.9234, 35.4345, 23.5624



27.9172, 35.4345, 68.1599



42.8461, 35.4345, 58.9208



40.1845, 35.4345, 19.1040



# Rectangle

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



25.9234, 35.4345, 23.5624



24.5399, 35.4345, 46.2874



42.8461, 35.4345, 58.9208



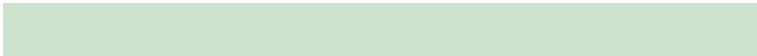
44.8458, 35.4345, 31.7833

# Sweetspot

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



25.9243, 35.4360, 23.5632



63.5493, 72.2331, 68.8886



34.9693, 40.1266, 22.7321



13.8625, 15.9283, 14.9003



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.9243, 35.4360, 23.5632



43.0935, 62.3853, 36.4176



27.9220, 36.2351, 34.0830



7.9265, 8.9481, 8.6377



11.0362, 21.9797, 3.9642



0.3142, 0.6143, 0.1483



# Inverse Universe

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



31.0738, 24.6243, 41.1469



53.8307, 39.8326, 73.0752



28.6779, 23.6660, 28.5306



8.3125, 8.1382, 9.9562



17.3863, 8.4170, 25.4772



0.4907, 0.2370, 0.7460



# Previews

## White Background



This preview shows how the XYZ color 25.9234, 35.4345, 23.5624 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 25.9234, 35.4345, 23.5624 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

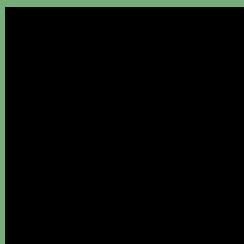
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 25.9234, 35.4345, 23.5624**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.9234, 35.4345, 23.5624.



This preview shows how white text looks on a background with the XYZ color 25.9234, 35.4345,



# 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

25.9234, 35.4345, 23.5624

### Protanopia

32.6786, 35.1501, 21.2820

### Deuteranopia

35.7508, 35.1567, 24.3037



## **Tritanopia**

30.9590, 35.5219, 48.4047

# Trichromacy



## Original Color

25.9234, 35.4345, 23.5624

## Protanomaly

29.6149, 34.8700, 21.9993

## Deuteranomaly

31.2833, 34.6264, 24.1035

## Tritanomaly

28.9449, 35.5377, 38.1348

# Monochromacy



## Original Color

25.9234, 35.4345, 23.5624

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

27.7792, 32.1787, 29.5579

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.9234, 35.4345, 23.5624 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(117, 174, 121)` looks like.

```
.text, #text, p{  
    color:rgb(117, 174, 121)  
}
```

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(117, 174, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 174, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 25.9234, 35.4345, 23.5624 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(117, 174, 121) }
```



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

```
.border{ border-color:rgb(117, 174, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 174, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 174, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 174, 121);  
box-shadow:4px 4px 4px 4px rgb(117, 174,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.9234, 35.4345, 23.5624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 174, 121) }
```

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

```
.background{ background-color: rgb(117,  
174, 121) }
```

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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