

# Converting Colors

XYZ(25.5785, 34.3357, 23.1244)

Have a look what the booklet for  
XYZ(25.5785, 34.3357, 23.1244)  
contains.

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# Color

**XYZ(25.5608, 34.4038,  
23.0627)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77AB78
RGB	119, 171, 120
RGB Percent	47%, 67%, 47%
CMY	0.5333, 0.3294, 0.5294
CMYK	0.30, 0.00, 0.30, 0.33
HSL	121°, 24%, 57%
HSV	121°, 30%, 67%
XYZ	25.5608, 34.4038, 23.0627
YIQ	149.6380, -14.6210, -26.8850

# Conversions

## Conversions Part 2

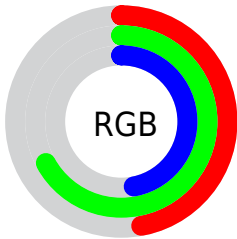
Format	Color
<b>RYB</b>	119, 170, 171
Decimal	7842680
CIELab	65.28, -27.62, 20.92
CIELCh	65, 34.646, 142.852
Yxy	34.4038, 0.3079, 0.4144
Android (android.graphics.Color)	4286032760 (0xFF77AB78)
YUV	149.6380, -14.6115, -26.8695
Hunter-Lab	58.6548, -24.8584, 17.7459

# Details

The XYZ color **25.5608, 34.4038, 23.0627** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **30.6482, 24.7545, 41.1943**, and the grayscale version is **28.9011, 30.4062, 33.1124**.

A 20% lighter version of the original color is **52.2455, 66.8395, 49.6829**, and **9.9997, 14.6407, 8.2601** is the 20% darker color. If you saturate the color by 10%, you get **22.4916, 32.9300, 18.0634**, and if you desaturate by 10%, it is **29.2324, 36.1695, 29.0223**.

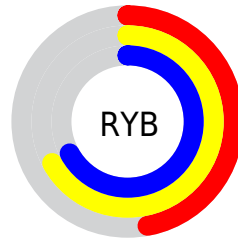
# Distribution



Red (47%)

Green (67%)

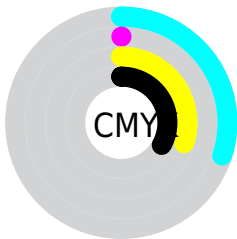
Blue (47%)



Red (47%)

Yellow (67%)

Blue (67%)

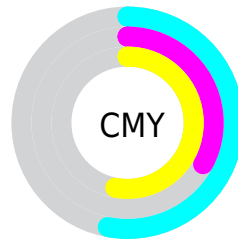


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (33%)



Cyan (53%)

Magenta (33%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5608, 34.4038, 23.0627 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 25.5608, 34.4038, 23.0627 by changing the saturation by 10% instead.



■ 25.5608, 34.4038,  
23.0627

■ 25.5608, 34.4038,  
23.0627

272.9158,  
321.9288, 281.1792

■ 16.6263, 23.2040,  
14.4341

■ 52.0019, 66.5611,  
49.4208

■ 10.0621, 14.7442,  
8.2810

■ 70.2393, 88.2874,  
67.9873

■ 5.5027, 8.6401,  
4.1849

■ 92.3083, 114.2913,  
90.7035

■ 2.5829, 4.5072,  
1.7273

118.5743,  
144.9572, 117.9880

■ 0.9372, 1.9611,  
0.3794

149.4027,  
180.6695, 150.2593

■ 0.0000, 0.5847,  
0.0000

185.1589,

■ 0.0000, 0.0000,

221.8127, 187.9359

0.0000

226.2081,  
268.7710, 231.4363

■ 25.5608, 34.4038,  
23.0627

■ 25.5608, 34.4038,  
23.0627

■ 22.4916, 32.9300,  
18.0634

■ 29.2324, 36.1695,  
29.0223

■ 19.9900, 31.7284,  
13.9720

■ 33.5333, 38.2370,  
35.9862

■ 18.0222, 30.7836,  
10.7348


■ 38.4920, 40.6211,  
43.9987


■ 16.5494, 30.0769,  
8.2913


■ 44.1345, 43.3343,  
53.1005


■ 15.5275, 29.5871,  
6.5732


■ 50.4854, 46.3885,  
63.3303


 14.9049, 29.2892,  
5.5008

 57.5680, 49.7948,  
74.7249

 14.5816, 29.1344,  
4.9495

 65.4047, 53.5641,  
87.3193

 73.7204, 57.5539,  
101.1334

 73.8536, 57.6072,  
101.8345

# Harmonies

## Analogous

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



29.0752, 34.4038, 17.2475



25.5608, 34.4038, 23.0627



23.9878, 34.4038, 34.1082

# Triad

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



25.5608, 34.4038, 23.0627



31.5075, 34.4038, 72.3419



42.4787, 34.4038, 27.6730

# Complementary

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



25.5608, 34.4038, 23.0627



30.6482, 24.7545, 41.1943

# 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.



43.3007, 34.4038, 41.0242



25.5608, 34.4038, 23.0627



36.6138, 34.4038, 69.3375

# Square

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



25.5608, 34.4038, 23.0627



27.1845, 34.4038, 64.2556



41.0577, 34.4038, 56.8664



38.9147, 34.4038, 19.3919



# Rectangle

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



25.5608, 34.4038, 23.0627



24.1244, 34.4038, 43.9860



41.0577, 34.4038, 56.8664



43.0988, 34.4038, 31.6135

# Sweetspot

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



25.5617, 34.4053, 23.0635



61.0995, 68.9802, 66.1377



34.5006, 39.0204, 23.1663



13.3610, 15.2557, 14.3213



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



25.5617, 34.4053, 23.0635



42.2315, 59.9113, 35.5323



27.3495, 35.1204, 32.4781



7.9105, 8.9418, 8.5538



10.9942, 21.9629, 3.7430



0.3078, 0.6118, 0.1145



# Inverse Universe

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



30.6482, 24.7545, 41.1943



52.7086, 40.0311, 72.8763



28.4367, 23.8699, 29.5484



8.3303, 8.1454, 10.0503



17.9707, 8.6508, 28.5549



0.5020, 0.2415, 0.8052



# Previews

## White Background



This preview shows how the XYZ color 25.5608, 34.4038, 23.0627 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 25.5608, 34.4038, 23.0627 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 25.5608, 34.4038, 23.0627**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.5608, 34.4038, 23.0627.



This preview shows how white text looks on a background with the XYZ color 25.5608, 34.4038,



# 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

25.5608, 34.4038, 23.0627

### Protanopia

31.8417, 34.2147, 20.8454

### Deuteranopia

34.6335, 34.1021, 23.8258



## Tritanopia

30.2645, 34.3924, 46.6383

# Trichromacy



## Original Color

25.5608, 34.4038, 23.0627

## Protanomaly

29.0121, 34.0346, 21.5632

## Deuteranomaly

30.4705, 33.6999, 23.6377

## Tritanomaly

28.2769, 34.3977, 36.6016

# Monochromacy



## Original Color

25.5608, 34.4038, 23.0627

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

27.5345, 31.8068, 29.1142

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.5608, 34.4038, 23.0627 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(119, 171, 120)` looks like.

```
.text, #text, p{  
    color:rgb(119, 171, 120)  
}
```

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(119, 171, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 171, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 25.5608, 34.4038, 23.0627 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".

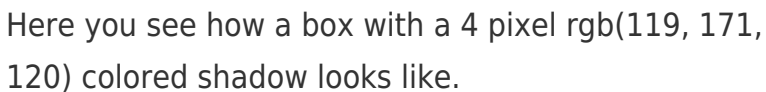
```
.border, #border, table{ border:4px solid rgb(119, 171, 120) }
```



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

```
.border{ border-color:rgb(119, 171, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 171, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 171, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 171, 120); box-shadow:4px 4px 4px 4px rgb(119, 171, 120) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.5608, 34.4038, 23.0627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 171, 120) }
```

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

```
.background{ background-color: rgb(119,  
171, 120) }
```

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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