

# Converting Colors

XYZ(23.5324, 34.0666, 16.6451)

Have a look what the booklet for  
XYZ(23.5324, 34.0666, 16.6451)  
contains.

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# Color

**XYZ(23.5316, 34.0652,  
16.6443)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EAD61
RGB	110, 173, 97
RGB Percent	43%, 68%, 38%
CMY	0.5686, 0.3216, 0.6196
CMYK	0.36, 0.00, 0.44, 0.32
HSL	110°, 32%, 53%
HSV	110°, 44%, 68%
XYZ	23.5316, 34.0652, 16.6443
YIQ	145.4990, -13.1520, -36.9920

# Conversions

## Conversions Part 2

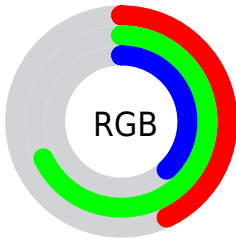
<b>Format</b>	<b>Color</b>
<b>RYB</b>	97, 173, 160
Decimal	7253345
CIELab	65.01, -35.24, 32.74
CIELCh	65, 48.103, 137.104
Yxy	34.0652, 0.3170, 0.4588
Android (android.graphics.Color)	4285443425 (0xFF6EAD61)
YUV	145.4990, -23.9100, -31.1326
Hunter-Lab	58.3654, -30.1723, 23.9478

# Details

The XYZ color **23.5316, 34.0652, 16.6443** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.3165, 19.0413, 41.8253**, and the grayscale version is **27.2158, 28.6332, 31.1815**.

A 20% lighter version of the original color is **48.7540, 66.1011, 38.6229**, and **8.9373, 14.5162, 5.1272** is the 20% darker color. If you saturate the color by 10%, you get **21.1692, 32.9316, 12.7725**, and if you desaturate by 10%, it is **26.3604, 35.4209, 21.4576**.

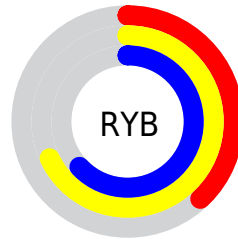
# Distribution



Red (43%)

Green (68%)

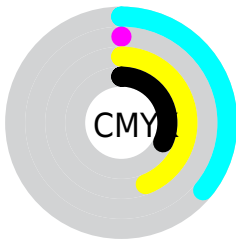
Blue (38%)



Red (38%)

Yellow (68%)

Blue (63%)

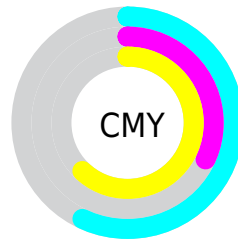


Cyan (36%)

Magenta (0%)

Yellow (44%)

Black (32%)



Cyan (57%)

Magenta (32%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5316, 34.0652, 16.6443 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 23.5316, 34.0652, 16.6443 by changing the saturation by 10% instead.



■ 23.5316, 34.0652,  
16.6443

■ 23.5316, 34.0652,  
16.6443

262.9284,  
320.4227, 245.0883

■ 15.1094, 22.9437,  
9.8219

■ 48.7250, 66.0350,  
38.4954

■ 8.9830, 14.5519,  
5.1770

■ 66.2269, 87.6522,  
54.3613

■ 4.7871, 8.5055,  
2.2909

■ 87.4861, 113.5366,  
74.0787

■ 2.1564, 4.4201,  
0.7261

■ 112.8679,  
144.0728, 98.0662

■ 0.7196, 1.9112,  
0.0000

142.7377,  
179.6451, 126.7424

■ 0.0000, 0.5551,  
0.0000

177.4608,

■ 0.0000, 0.0000,

220.6379, 160.5258

0.0000

217.4026,  
267.4357, 199.8349

■ 23.5316, 34.0652,  
16.6443

■ 23.5316, 34.0652,  
16.6443

■ 21.1692, 32.9316,  
12.7725

■ 26.3604, 35.4209,  
21.4576

■ 19.2454, 32.0041,  
9.7785

■ 29.6767, 37.0054,  
27.2663

■ 17.7329, 31.2712,  
7.5942


■ 33.5030, 38.8301,  
34.1225


■ 16.6005, 30.7184,  
6.1405


■ 37.8598, 40.9047,  
42.0744


■ 15.8119, 30.3292,  
5.3224


■ 42.7667, 43.2381,  
51.1671

 15.4677, 30.1584,  
5.0059

 48.2419, 45.8389,  
61.4430

 54.3029, 48.7152,  
72.9425

 60.9666, 51.8749,  
85.7041

 68.2490, 55.3254,  
99.7646

# Harmonies

## Analogous

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



28.6000, 34.0652, 11.1984



23.5316, 34.0652, 16.6443



21.0081, 34.0652, 29.1794

# Triad

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



23.5316, 34.0652, 16.6443



29.4826, 34.0652, 88.3871



46.9240, 34.0652, 26.9239

# Complementary

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



23.5316, 34.0652, 16.6443



26.3165, 19.0413, 41.8253

# 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.



47.2505, 34.0652, 46.3177



23.5316, 34.0652, 16.6443



36.4748, 34.0652, 87.0942

# Square

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



23.5316, 34.0652, 16.6443



24.0977, 34.0652, 72.8423



43.2027, 34.0652, 69.7663



42.3661, 34.0652, 15.5051



# Rectangle

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



23.5316, 34.0652, 16.6443



20.8327, 34.0652, 42.0351



43.2027, 34.0652, 69.7663



47.5532, 34.0652, 32.5510

# Sweetspot

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



23.5324, 34.0666, 16.6451



60.5168, 69.7863, 62.0455



31.8024, 34.5681, 16.3060



12.8115, 15.0040, 12.8689



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.



23.5324, 34.0666, 16.6451



37.9131, 58.9772, 22.8766



23.3297, 33.8122, 23.4083



8.0274, 9.0027, 8.5280



11.3974, 22.1727, 3.6790



0.3545, 0.6361, 0.1041



# Inverse Universe

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



26.3165, 19.0413, 41.8253



43.5267, 28.4482, 74.0027



26.9290, 19.6024, 30.7715



8.2007, 8.0777, 10.0796



13.9580, 6.5555, 29.5742



0.4232, 0.2004, 0.8244



# Previews

## White Background



This preview shows how the XYZ color 23.5316, 34.0652, 16.6443 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 23.5316, 34.0652, 16.6443 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 23.5316, 34.0652, 16.6443**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.5316, 34.0652, 16.6443.



This preview shows how white text looks on a background with the XYZ color 23.5316, 34.0652,



# 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

23.5316, 34.0652, 16.6443

### Protanopia

30.9586, 33.6399, 14.7590

### Deuteranopia

34.2909, 33.5908, 17.2467



## Tritanopia

29.5235, 34.0103, 46.6036

# Trichromacy



## Original Color

23.5316, 34.0652, 16.6443

## Protanomaly

27.4674, 33.3743, 15.3501

## Deuteranomaly

29.0243, 32.8474, 16.8670

## Tritanomaly

26.7718, 33.6975, 33.1102

# Monochromacy



## Original Color

23.5316, 34.0652, 16.6443

## Achromatopsia

27.3213, 28.7441, 31.3023

## Achromatomaly

25.4576, 30.3220, 24.9330

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.5316, 34.0652, 16.6443 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(110, 173, 97)` looks like.

```
.text, #text, p{  
    color:rgb(110, 173, 97)  
}
```

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(110, 173, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 173, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 23.5316, 34.0652, 16.6443 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(110, 173, 97) }
```



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

```
.border{ border-color:rgb(110, 173, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 173, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 173, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 173, 97);  
box-shadow:4px 4px 4px 4px rgb(110, 173,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.5316, 34.0652, 16.6443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 173, 97) }
```

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

```
.background{ background-color: rgb(110,  
173, 97) }
```

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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