

# Converting Colors

XYZ(36.0778, 35.7601, 16.2857)

Have a look what the booklet for  
XYZ(36.0778, 35.7601, 16.2857)  
contains.

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# Color

**XYZ(36.1271, 35.7751,  
16.3104)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C29B61
RGB	194, 155, 97
RGB Percent	76%, 61%, 38%
CMY	0.2392, 0.3921, 0.6196
CMYK	0.00, 0.20, 0.50, 0.24
HSL	36°, 44%, 57%
HSV	36°, 50%, 76%
XYZ	36.1271, 35.7751, 16.3104
YIQ	160.0490, 41.8620, -9.7700

# Conversions

## Conversions Part 2

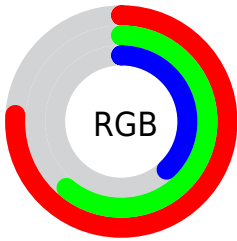
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">162, 194, 97</a>
Decimal	<a href="#">12753761</a>
CIELab	<a href="#">66.35, 7.24, 35.76</a>
CIElCh	<a href="#">66, 36.487, 78.552</a>
Yxy	<a href="#">35.7751, 0.4095, 0.4056</a>
Android (android.graphics.Color)	<a href="#">4290943841</a> ( <a href="#">0xFFC29B61</a> )
YUV	<a href="#">160.0490, -31.0832, 29.7750</a>
Hunter-Lab	<a href="#">59.8123, 3.1439, 25.7006</a>

# Details

The XYZ color **36.1271, 35.7751, 16.3104** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **23.4710, 24.0436, 54.4425**, and the grayscale version is **33.5623, 35.3101, 38.4527**.

A 20% lighter version of the original color is **68.3702, 68.4663, 38.0456**, and **15.9859, 15.5257, 5.0599** is the 20% darker color. If you saturate the color by 10%, you get **34.0747, 32.9453, 11.6962**, and if you desaturate by 10%, it is **38.4863, 38.8645, 22.1189**.

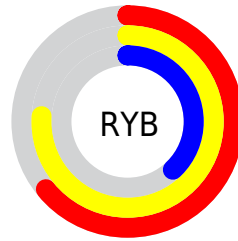
# Distribution



Red (76%)

Green (61%)

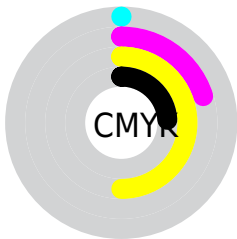
Blue (38%)



Red (64%)

Yellow (76%)

Blue (38%)

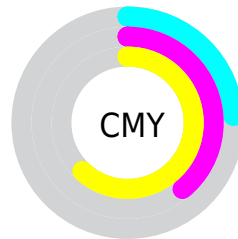


Cyan (0%)

Magenta (20%)

Yellow (50%)

Black (24%)



Cyan (24%)

Magenta (39%)


Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1271, 35.7751, 16.3104 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 36.1271, 35.7751, 16.3104 by changing the saturation by 10% instead.





 36.1271, 35.7751,  
16.3104


 36.1271, 35.7751,  
16.3104


320.9373,  
327.9765, 243.0743


 24.7029, 24.2606,  
9.5873


 68.5508, 68.6848,  
37.9105

 15.9834, 15.5270,  
5.0242


 90.2810, 90.8487,  
53.6246

 9.6032, 9.1901,  
2.2025

 116.1773,  
117.3313, 73.1728

 5.1969, 4.8654,  
0.6758

 146.6050,  
148.5168, 96.9737

 2.3992, 2.1685,  
0.0000

181.9295,  
184.7896, 125.4457

 0.8447, 0.7027,  
0.0000

222.5162,

 0.0000, 0.0000,

226.5343, 159.0075

0.0000

268.7303,  
274.1351, 198.0775

■ 36.1271, 35.7751,  
16.3104

■ 36.1271, 35.7751,  
16.3104

■ 34.0747, 32.9453,  
11.6962

■ 38.4863, 38.8645,  
22.1189

■ 32.3086, 30.3602,  
8.1872

■ 41.1659, 42.2174,  
29.1977

■ 30.8092, 28.0109,  
5.6851


■ 44.1819, 45.8437,  
37.6192


■ 29.5528, 25.8852,  
4.0730


■ 47.5481, 49.7514,  
47.4494


■ 28.4946, 23.9624,  
3.1234


■ 51.2776, 53.9480,  
58.7501

 28.4945, 23.9623,  
3.1234

 55.3827, 58.4407,  
71.5794

 59.8751, 63.2361,  
85.9920

 64.7660, 68.3410,  
102.0403

 67.2763, 72.6458,  
105.0840

# Harmonies

## Analogous

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



41.4272, 35.7751, 20.5004



36.1271, 35.7751, 16.3104



30.7747, 35.7751, 16.8555

# Triad

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



36.1271, 35.7751, 16.3104



24.9994, 35.7751, 49.3106



42.4842, 35.7751, 62.4050

# Complementary

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



36.1271, 35.7751, 16.3104



23.4710, 24.0436, 54.4425

# 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.



37.4498, 35.7751, 74.9232



36.1271, 35.7751, 16.3104



27.5237, 35.7751, 66.0777

# Square

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



36.1271, 35.7751, 16.3104



24.7264, 35.7751, 33.2915



31.9641, 35.7751, 76.4228



45.3508, 35.7751, 45.2226



# Rectangle

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



36.1271, 35.7751, 16.3104



27.8777, 35.7751, 19.8712



31.9641, 35.7751, 76.4228



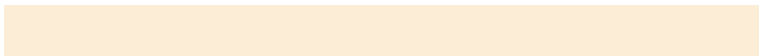
40.9660, 35.7751, 67.4748

# Sweetspot

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



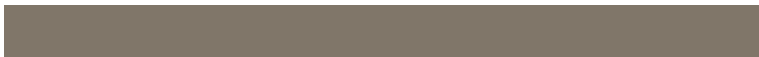
36.1280, 35.7768, 16.3111



82.8701, 86.3642, 76.3113



31.0682, 21.8371, 26.4017



17.8645, 18.5827, 15.8889



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.



36.1280, 35.7768, 16.3111



61.4086, 59.2240, 20.5016



41.6788, 49.8751, 18.7398



10.5628, 11.0569, 10.6394



18.8165, 15.9187, 2.0809



0.8791, 0.8199, 0.1119

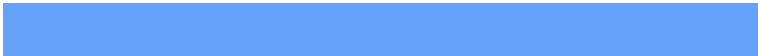


# Inverse Universe

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



23.4710, 24.0436, 54.4425



35.9046, 35.6182, 97.4524



19.8480, 15.4531, 52.9753



9.8532, 10.3978, 12.7725



8.2686, 6.2938, 34.3356



0.4248, 0.4069, 1.5060



# Previews

## White Background



This preview shows how the XYZ color 36.1271, 35.7751, 16.3104 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

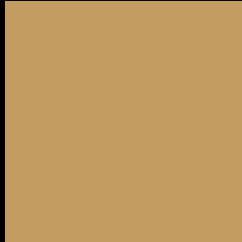
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.1271, 35.7751, 16.3104 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

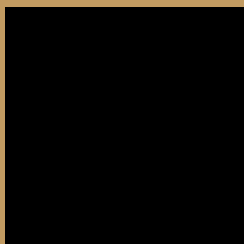
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 36.1271, 35.7751, 16.3104**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.1271, 35.7751, 16.3104.



This preview shows how white text looks on a background with the XYZ color 36.1271, 35.7751,



# 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

36.1271, 35.7751, 16.3104

### Protanopia

33.0770, 35.9716, 17.0043

### Deuteranopia

36.4782, 35.7100, 16.2794



## Tritanopia

40.5111, 35.6500, 37.5469

# Trichromacy



## Original Color

36.1271, 35.7751, 16.3104

## Protanomaly

34.1312, 35.7454, 16.6559

## Deuteranomaly

36.2189, 35.5764, 16.2672

## Tritanomaly

38.6390, 35.5960, 28.1268

# Monochromacy



## Original Color

36.1271, 35.7751, 16.3104

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

33.7555, 35.0305, 28.6494

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.1271, 35.7751, 16.3104 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(194, 155, 97)` looks like.

```
.text, #text, p{  
    color:rgb(194, 155, 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(194, 155, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 155, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 36.1271, 35.7751, 16.3104 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(194, 155, 97) }
```



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

```
.border{ border-color:rgb(194, 155, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 155, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 155, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 155, 97);  
box-shadow:4px 4px 4px 4px rgb(194, 155,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.1271, 35.7751, 16.3104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 155, 97) }
```

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

```
.background{ background-color: rgb(194,  
155, 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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