

# Converting Colors

XYZ(43.5940, 38.7775, 21.7101)

Have a look what the booklet for  
XYZ(43.5940, 38.7775, 21.7101)  
contains.

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# Color

**XYZ(43.5940, 38.7775,  
21.7101)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB9874
RGB	219, 152, 116
RGB Percent	86%, 60%, 45%
CMY	0.1412, 0.4039, 0.5451
CMYK	0.00, 0.31, 0.47, 0.14
HSL	21°, 59%, 66%
HSV	21°, 47%, 86%
XYZ	43.5940, 38.7775, 21.7101
YIQ	167.9290, 51.4880, 3.0080

# Conversions

## Conversions Part 2

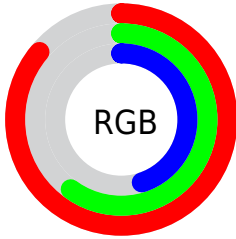
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">219, 171, 116</a>
Decimal	<a href="#">14391412</a>
CIELab	<a href="#">68.59, 20.99, 29.00</a>
CIELCh	<a href="#">69, 35.799, 54.112</a>
Yxy	<a href="#">38.7775, 0.4188, 0.3726</a>
Android (android.graphics.Color)	<a href="#">4292581492 (0xFFDB9874)</a>
YUV	<a href="#">167.9290, -25.6010, 44.7893</a>
Hunter-Lab	<a href="#">62.2716, 15.9859, 22.9195</a>

# Details

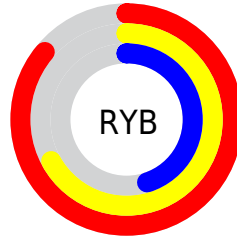
The XYZ color **43.5940, 38.7775, 21.7101** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.9212, 42.6924, 73.3121**, and the grayscale version is **37.2894, 39.2314, 42.7230**.

A 20% lighter version of the original color is **70.6207, 68.7128, 46.5866**, and **20.3647, 17.2897, 7.5741** is the 20% darker color. If you saturate the color by 10%, you get **40.2925, 33.9786, 15.0484**, and if you desaturate by 10%, it is **47.4754, 44.2557, 30.0473**.

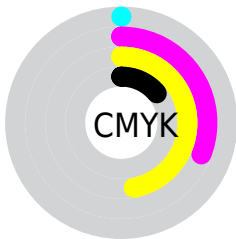
# Distribution



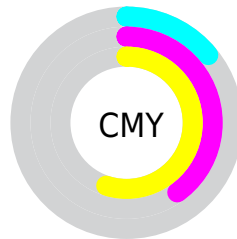
- Red (86%)
- Green (60%)
- Blue (45%)



- Red (86%)
- Yellow (67%)
- Blue (45%)



- Cyan (0%)
- Magenta (31%)
- Yellow (47%)
- Black (14%)




- Cyan (14%)
- Magenta (40%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5940, 38.7775, 21.7101 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 43.5940, 38.7775, 21.7101 by changing the saturation by 10% instead.





 43.5940, 38.7775,  
21.7101


 43.5940, 38.7775,  
21.7101


351.9292,  
340.9436, 273.9325


 30.5480, 26.5867,  
13.4478


 79.8566, 73.2983,  
47.1624

 20.4050, 17.2631,  
7.6033


 103.8039, 96.3971,  
65.1895

 12.7998, 10.4222,  
3.7580


 132.1157,  
123.9006, 87.3085

 7.3669, 5.6798,  
1.4936

165.1573,  
156.1933, 113.9381

 3.7409, 2.6514,  
0.2131

203.2941,  
193.6595, 145.4968

 1.5566, 0.9526,  
0.0000

246.8914,

 0.3639, 0.0000,

236.6837, 182.4030

0.0000

296.3147,  
285.6503, 225.0754

■ 0.0000, 0.0000,  
0.0000

■ 43.5940, 38.7775,  
21.7101

■ 43.5940, 38.7775,  
21.7101

■ 40.2925, 33.9786,  
15.0484

■ 47.4754, 44.2557,  
30.0473

■ 37.5368, 29.8251,  
9.9438

■ 51.9624, 50.4338,  
40.1626

■ 35.2933, 26.2884,  
6.2658


■ 57.0827, 57.3386,  
52.1531


■ 33.5225, 23.3353,  
3.8613


■ 62.8611, 64.9936,  
66.1081


■ 32.1753, 20.9270,  
2.5302

■ 69.3211, 73.4211,  
82.1112

 31.8361, 20.3057,  
2.2414

 76.4851, 82.6428,  
100.2410

 81.9850, 91.7234,  
107.9911

 83.0233, 93.8000,  
108.3372

# Harmonies

## Analogous

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



47.6803, 38.7775, 30.7516



43.5940, 38.7775, 21.7101



37.9817, 38.7775, 18.2316

# Triad

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



43.5940, 38.7775, 21.7101



27.0783, 38.7775, 39.1125



41.4722, 38.7775, 77.4332

# Complementary

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



43.5940, 38.7775, 21.7101



36.9212, 42.6924, 73.3121

# 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.



35.7544, 38.7775, 81.3152



43.5940, 38.7775, 21.7101



27.8094, 38.7775, 56.2400

# Square

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



43.5940, 38.7775, 21.7101



28.7426, 38.7775, 26.4932



30.8522, 38.7775, 72.7524



46.3703, 38.7775, 63.1959



# Rectangle

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



43.5940, 38.7775, 21.7101



34.2727, 38.7775, 18.6775



30.8522, 38.7775, 72.7524



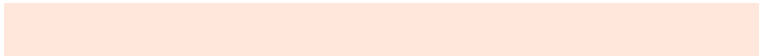
39.5677, 38.7775, 80.1224

# Sweetspot

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



43.5950, 38.7794, 21.7109



82.8603, 83.9795, 79.0675



44.1807, 31.0398, 49.3775



17.3695, 17.4876, 16.0480



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.



43.5950, 38.7794, 21.7109



57.1169, 48.3166, 21.7033



53.4472, 58.4838, 24.9949



13.4265, 13.7923, 13.6801



18.9704, 12.2264, 1.3601



1.3082, 0.9504, 0.1145

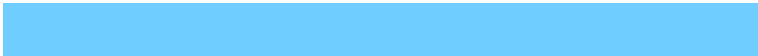


# Inverse Universe

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



36.9212, 42.6924, 73.3121



46.6085, 54.3798, 102.6476



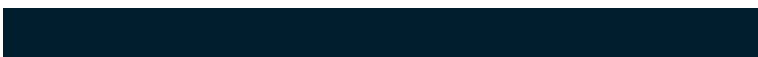
28.3993, 25.6485, 70.4714



13.0419, 14.0235, 16.6716



13.4628, 14.7950, 41.8846



0.9518, 1.1177, 2.7400



# Previews

## White Background



This preview shows how the XYZ color 43.5940, 38.7775, 21.7101 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 43.5940, 38.7775, 21.7101 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

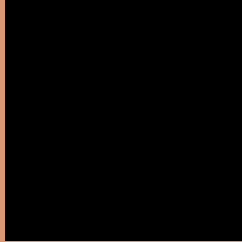
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 43.5940, 38.7775, 21.7101

## Background



This preview shows how black text looks on a background with the XYZ color 43.5940, 38.7775, 21.7101.



This preview shows how white text looks on a background with the XYZ color 43.5940, 38.7775,



# 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

43.5940, 38.7775, 21.7101

### Protanopia

36.2163, 38.7708, 24.3136

### Deuteranopia

39.4275, 38.6359, 21.2990



## Tritanopia

46.8819, 38.7144, 37.3494

# Trichromacy



**Original Color**

43.5940, 38.7775, 21.7101

**Protanomaly**

38.5586, 38.6661, 23.2003

**Deuteranomaly**

40.8836, 38.6171, 21.5187

**Tritanomaly**

45.6720, 38.6926, 31.0478

# Monochromacy



**Original Color**

43.5940, 38.7775, 21.7101

**Achromatopsia**

37.2190, 39.1572, 42.6422

**Achromatomaly**

38.8387, 38.5754, 33.8325

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.5940, 38.7775, 21.7101 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(219, 152, 116)` looks like.

```
.text, #text, p{  
    color:rgb(219, 152, 116)  
}
```

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(219, 152, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 152, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 43.5940, 38.7775, 21.7101 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(219, 152, 116) }
```



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

```
.border{ border-color:rgb(219, 152, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 152, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 152, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 152, 116);  
box-shadow:4px 4px 4px 4px rgb(219, 152,  
116) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.5940, 38.7775, 21.7101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 152, 116) }
```

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

```
.background{ background-color: rgb(219,  
152, 116) }
```

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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