

# Converting Colors

XYZ(51.9807, 53.6388, 37.3198)

Have a look what the booklet for  
XYZ(51.9807, 53.6388, 37.3198)  
contains.

<b>XYZ(52.0299, 53.8247, 37.3527)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(52.0299, 53.8247,  
37.3527)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D6BF98
RGB	214, 191, 152
RGB Percent	84%, 75%, 60%
CMY	0.1608, 0.2510, 0.4039
CMYK	0.00, 0.11, 0.29, 0.16
HSL	38°, 43%, 72%
HSV	38°, 29%, 84%
XYZ	52.0299, 53.8247, 37.3527
YIQ	193.4310, 26.2270, -7.2530

# Conversions

## Conversions Part 2

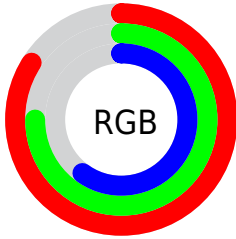
Format	Color
R <sub>Y</sub> B	189, 214, 152
Decimal	14073752
CIE Lab	78.36, 2.30, 22.68
CIE LCh	78, 22.797, 84.221
Yxy	53.8247, 0.3633, 0.3759
Android (android.graphics.Color)	4292263832 (0xFFD6BF98)
YUV	193.4310, -20.4255, 18.0390
Hunter-Lab	73.3653, -1.7990, 21.1692

# Details

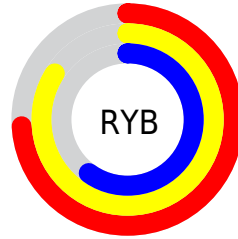
The XYZ color **52.0299, 53.8247, 37.3527** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.4163, 42.1894, 69.6319**, and the grayscale version is **51.0491, 53.7077, 58.4876**.

A 20% lighter version of the original color is **85.6413, 92.2378, 71.6824**, and **25.5380, 26.3856, 16.0589** is the 20% darker color. If you saturate the color by 10%, you get **48.7490, 49.8191, 28.3781**, and if you desaturate by 10%, it is **55.7237, 58.1493, 48.0263**.

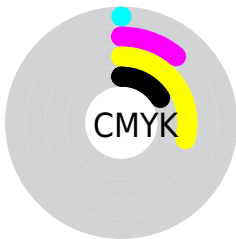
# Distribution



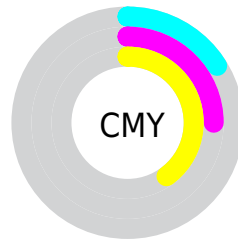
- Red (84%)
- Green (75%)
- Blue (60%)



- Red (74%)
- Yellow (84%)
- Blue (60%)



- Cyan (0%)
- Magenta (11%)
- Yellow (29%)
- Black (16%)




- Cyan (16%)
- Magenta (25%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0299, 53.8247, 37.3527 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 52.0299, 53.8247, 37.3527 by changing the saturation by 10% instead.





 52.0299, 53.8247,  
37.3527


 52.0299, 53.8247,  
37.3527


384.8741,  
401.4412, 350.0496

 37.2533, 38.4615,  
25.1828


 92.3493, 95.8168,  
72.3073

 25.5782, 26.3411,  
15.9930

 118.6228,  
123.2145, 95.9290

 16.6394, 17.0790,  
9.3649


149.4593,  
155.3926, 124.2051

 10.0714, 10.2908,  
4.8799

185.2241,  
192.7353, 157.5541

 5.5090, 5.5922,  
2.1195

226.2826,  
235.6271, 196.3944

 2.5867, 2.5987,  
0.6273

273.0003,

 0.9392, 0.9260,

284.4525, 241.1448

0.0000

325.7423,  
339.5957, 292.2237

■ 0.0000, 0.0000,  
0.0000

■ 52.0299, 53.8247,  
37.3527

■ 52.0299, 53.8247,  
37.3527

■ 48.7490, 49.8191,  
28.3781

■ 55.7237, 58.1493,  
48.0263

■ 45.8583, 46.1155,  
21.0091

■ 59.8433, 62.7948,  
60.4789

■ 43.3391, 42.7059,  
15.1483

■ 64.4064, 67.7723,  
74.7894

■ 41.1692, 39.5788,  
10.6862

■ 69.4280, 73.0900,  
91.0311

■ 39.3234, 36.7217,  
7.4982

■ 74.2714, 78.4955,  
105.8444

■ 37.7723, 34.1202,  
5.4376

■ 76.5397, 83.0321,  
106.6005

■ 36.4699, 31.7533,  
4.2700

■ 78.9099, 87.7727,  
107.3906

■ 36.3439, 31.5205,  
4.1685

■ 81.3835, 92.7197,  
108.2151

■ 81.5417, 93.0362,  
108.2678

# Harmonies

## Analogous

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



56.3550, 53.8247, 40.8047



52.0299, 53.8247, 37.3527



47.7101, 53.8247, 38.8867

# Triad

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



52.0299, 53.8247, 37.3527



43.7077, 53.8247, 69.3055



58.4599, 53.8247, 74.2226

# Complementary

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



52.0299, 53.8247, 37.3527



40.4163, 42.1894, 69.6319

# 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.



54.7698, 53.8247, 84.0678



52.0299, 53.8247, 37.3527



46.2922, 53.8247, 80.9517

# Square

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



52.0299, 53.8247, 37.3527



43.0684, 53.8247, 56.1599



50.2974, 53.8247, 86.6938



60.2037, 53.8247, 61.1220



# Rectangle

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



52.0299, 53.8247, 37.3527



45.3906, 53.8247, 42.6634



50.2974, 53.8247, 86.6938



57.3960, 53.8247, 78.0947

# Sweetspot

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



52.0313, 53.8272, 37.3538



88.9170, 93.2978, 89.7030



46.7737, 39.8786, 46.1861



18.8307, 19.7459, 18.5822



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.



52.0313, 53.8272, 37.3538



74.1940, 76.1920, 46.7524



55.3815, 63.5924, 39.0621



13.0677, 13.7096, 13.1182



22.0700, 19.2572, 2.5538



1.4092, 1.3176, 0.1800



# Inverse Universe

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



40.4163, 42.1894, 69.6319



54.1131, 56.0791, 102.5800



37.7109, 34.7070, 68.3303



12.1161, 12.7557, 15.7610



9.1344, 6.5305, 39.2322



0.6290, 0.5499, 2.3923



# Previews

## White Background



This preview shows how the XYZ color 52.0299, 53.8247, 37.3527 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

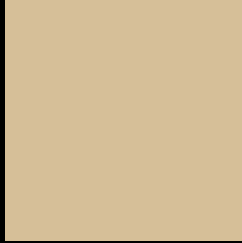
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.0299, 53.8247, 37.3527 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 52.0299, 53.8247, 37.3527**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.0299, 53.8247, 37.3527.



This preview shows how white text looks on a background with the XYZ color 52.0299, 53.8247,

37.3527.

# 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

52.0299, 53.8247, 37.3527

### Protanopia

50.4952, 54.0053, 37.8997

### Deuteranopia

54.9872, 53.7486, 37.6134



## Tritanopia

56.8712, 53.8815, 61.4356

# Trichromacy



## Original Color

52.0299, 53.8247, 37.3527

## Protanomaly

51.1142, 53.9951, 37.8651

## Deuteranomaly

53.8572, 53.7959, 37.6821

## Tritanomaly

54.8291, 53.6698, 51.7255

# Monochromacy



## Original Color

52.0299, 53.8247, 37.3527

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

50.9729, 53.3311, 49.7269

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.0299, 53.8247, 37.3527 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(214, 191, 152) looks like.

```
.text, #text, p{  
    color:rgb(214, 191, 152)  
}
```

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(214, 191, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 191, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 52.0299, 53.8247, 37.3527 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(214, 191, 152) }
```



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

```
.border{ border-color:rgb(214, 191, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 191, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 191, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 191, 152);  
box-shadow:4px 4px 4px 4px rgb(214, 191,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.0299, 53.8247, 37.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 191, 152) }
```

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

```
.background{ background-color: rgb(214,  
191, 152) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor