

# Converting Colors

XYZ(55.3126, 58.0032, 40.1792)

Have a look what the booklet for  
XYZ(55.3126, 58.0032, 40.1792)  
contains.

<b>XYZ(55.4227, 58.1866, 40.2083)</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(55.4227, 58.1866,  
40.2083)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAC79D
RGB	218, 199, 157
RGB Percent	85%, 78%, 62%
CMY	0.1451, 0.2196, 0.3843
CMYK	0.00, 0.09, 0.28, 0.15
HSL	41°, 45%, 74%
HSV	41°, 28%, 85%
XYZ	55.4227, 58.1866, 40.2083
YIQ	199.8930, 24.8060, -9.0340

# Conversions

## Conversions Part 2

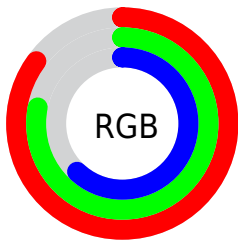
Format	Color
R <sub>YB</sub>	185, 218, 157
Decimal	14337949
CIE Lab	80.84, 0.30, 23.48
CIE LCh	81, 23.484, 89.276
Yxy	58.1866, 0.3603, 0.3783
Android (android.graphics.Color)	4292528029 (0xFFDAC79D)
YUV	199.8930, -21.1462, 15.8798
Hunter-Lab	76.2801, -3.7979, 22.1435

# Details

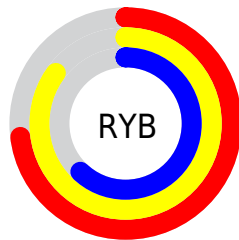
The XYZ color **55.4227, 58.1866, 40.2083** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.0846, 43.2796, 72.4657**, and the grayscale version is **54.9505, 57.8122, 62.9575**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **27.5755, 28.9521, 17.4995** is the 20% darker color. If you saturate the color by 10%, you get **52.1983, 54.4551, 30.7559**, and if you desaturate by 10%, it is **59.0520, 62.1956, 51.4353**.

# Distribution



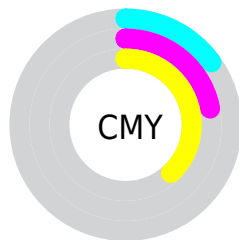
- Red (85%)
- Green (78%)
- Blue (62%)



- Red (73%)
- Yellow (85%)
- Blue (62%)



- Cyan (0%)
- Magenta (9%)
- Yellow (28%)
- Black (15%)




- Cyan (15%)
- Magenta (22%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4227, 58.1866, 40.2083 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 55.4227, 58.1866, 40.2083 by changing the saturation by 10% instead.




 55.4227, 58.1866,  
40.2083


 55.4227, 58.1866,  
40.2083


397.6226,  
417.8809, 362.5789

 39.9754, 41.9587,  
27.3860


 97.3047, 102.1945,  
76.7212

 27.7035, 29.0689,  
17.6283


 124.4702,  
130.7434, 101.2488

 18.2416, 19.1330,  
10.5168


156.2724,  
164.1679, 130.5152

 11.2243, 11.7664,  
5.6329

193.0768,  
202.8526, 164.9390

 6.2863, 6.5848,  
2.5580

235.2486,  
247.1819, 204.9388

 3.0623, 3.2038,  
0.8707

283.1533,

 1.1868, 1.2391,

297.5401, 250.9330

0.0000

337.1562,  
354.3116, 303.3402

■ 0.0959, 0.0933,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.4227, 58.1866,  
40.2083

■ 55.4227, 58.1866,  
40.2083

■ 52.1983, 54.4551,  
30.7559

■ 59.0520, 62.1956,  
51.4353

■ 49.3556, 50.9843,  
22.9812


■ 63.0988, 66.4826,  
64.5198


■ 46.8760, 47.7673,  
16.7835


■ 67.5807, 71.0578,  
79.5436


■ 44.7371, 44.7937,  
12.0497


■ 72.5131, 75.9289,  
96.5826

 42.9136, 42.0519,  
8.6515


 76.0878, 80.3739,  
106.1112


 41.3760, 39.5284,  
6.4381


 78.0462, 84.2907,  
106.7640

 40.0827, 37.2051,  
5.1951

 80.0793, 88.3569,  
107.4417

 39.8383, 36.7550,  
4.9947

 82.1879, 92.5742,  
108.1446

 82.7236, 93.6455,  
108.3231

# Harmonies

## Analogous

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



60.2119, 58.1866, 43.0419



55.4227, 58.1866, 40.2083



50.8646, 58.1866, 42.7812

# Triad

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



55.4227, 58.1866, 40.2083



47.5557, 58.1866, 77.3473



63.7228, 58.1866, 78.0179

# Complementary

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



55.4227, 58.1866, 40.2083



42.0846, 43.2796, 72.4657

# 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.



59.9958, 58.1866, 89.6508



55.4227, 58.1866, 40.2083



50.6715, 58.1866, 89.2255

# Square

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



55.4227, 58.1866, 40.2083



46.4865, 58.1866, 63.0180



55.1867, 58.1866, 94.0207



65.1728, 58.1866, 63.6939



# Rectangle

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



55.4227, 58.1866, 40.2083



48.5280, 58.1866, 47.4662



55.1867, 58.1866, 94.0207



62.6844, 58.1866, 82.4452

# Sweetspot

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



55.4242, 58.1892, 40.2095



89.9445, 94.7687, 91.8462



48.8388, 42.1672, 46.8044



19.0560, 20.0803, 19.0158



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.



55.4242, 58.1892, 40.2095



76.0797, 79.5861, 48.5443



56.8386, 65.8165, 41.6072



13.8024, 14.5441, 13.8054



23.9671, 22.2198, 3.0256



1.6282, 1.5905, 0.2212



# Inverse Universe

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



42.0846, 43.2796, 72.4657



53.8444, 54.7418, 102.3361



40.9000, 37.5216, 71.4167



12.6678, 13.2754, 16.5469



8.9006, 5.6707, 40.3638

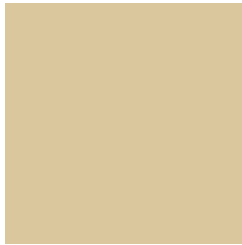


0.6522, 0.5185, 2.6401



# Previews

## White Background



This preview shows how the XYZ color 55.4227, 58.1866, 40.2083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

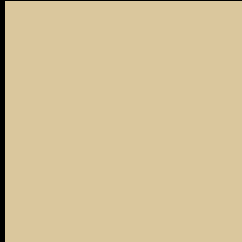
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.4227, 58.1866, 40.2083 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

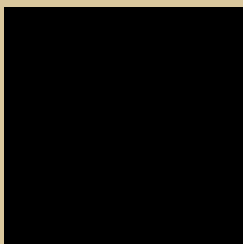
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

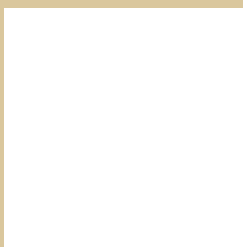
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 55.4227, 58.1866, 40.2083**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.4227, 58.1866, 40.2083.



This preview shows how white text looks on a background with the XYZ color 55.4227, 58.1866,



# 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

55.4227, 58.1866, 40.2083

### Protanopia

54.5574, 58.0733, 40.6815

### Deuteranopia

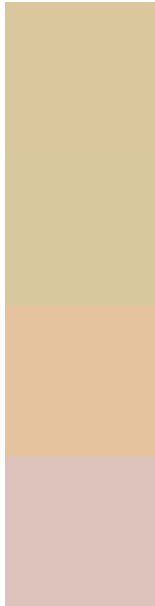
59.5025, 58.2707, 40.4590



## Tritanopia

60.8526, 58.0516, 67.0293

# Trichromacy



## Original Color

55.4227, 58.1866, 40.2083

## Protanomaly

54.8502, 58.2242, 40.6952

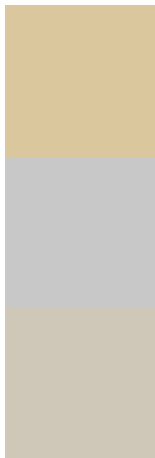
## Deuteranomaly

57.9998, 58.1568, 40.5162

## Tritanomaly

58.8246, 58.2339, 56.2840

# Monochromacy



## Original Color

55.4227, 58.1866, 40.2083

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

55.0381, 58.0346, 53.6484

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.4227, 58.1866, 40.2083 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(218, 199, 157)` looks like.

```
.text, #text, p{  
    color:rgb(218, 199, 157)  
}
```

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(218, 199, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 199, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 55.4227, 58.1866, 40.2083 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(218, 199, 157) }
```



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

```
.border{ border-color:rgb(218, 199, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 199, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 199, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 199, 157);  
box-shadow:4px 4px 4px 4px rgb(218, 199,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.4227, 58.1866, 40.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 199, 157) }
```

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

```
.background{ background-color: rgb(218,  
199, 157) }
```

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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