

Converting Colors

XYZ(50.1100, 53.7875, 38.7513)

Have a look what the booklet for
XYZ(50.1100, 53.7875, 38.7513)
contains.

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Color

**XYZ(50.1100, 53.7875,
38.7513)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC29B
RGB	204, 194, 155
RGB Percent	80%, 76%, 61%
CMY	0.2000, 0.2392, 0.3922
CMYK	0.00, 0.05, 0.24, 0.20
HSL	48°, 32%, 70%
HSV	48°, 24%, 80%
XYZ	50.1100, 53.7875, 38.7513
YIQ	192.5440, 18.4790, -10.0090

Conversions

Conversions Part 2

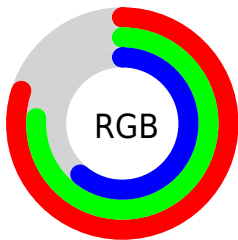
Format	Color
RYB	168, 204, 155
Decimal	13419163
CIELab	78.34, -2.70, 20.92
CIElCh	78, 21.092, 97.368
Yxy	53.7875, 0.3513, 0.3771
Android (android.graphics.Color)	4291609243 (0xFFCCC29B)
YUV	192.5440, -18.5092, 10.0469
Hunter-Lab	73.3400, -6.3837, 20.0104

Details

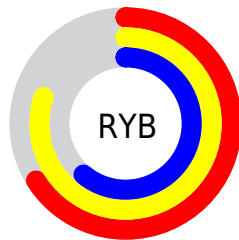
The XYZ color **50.1100, 53.7875, 38.7513** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.8716, 38.2375, 62.5114**, and the grayscale version is **50.5196, 53.1506, 57.8810**.

A 20% lighter version of the original color is **87.0585, 94.2844, 74.5830**, and **24.4180, 26.4388, 16.9129** is the 20% darker color. If you saturate the color by 10%, you get **47.6267, 51.3348, 30.1733**, and if you desaturate by 10%, it is **52.9115, 56.4127, 48.8646**.

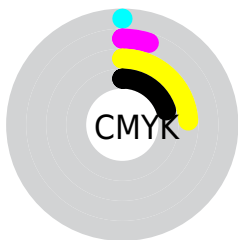
Distribution



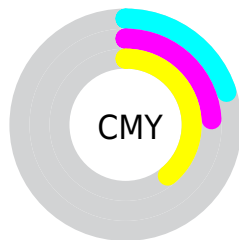
- Red (80%)
- Green (76%)
- Blue (61%)



- Red (66%)
- Yellow (80%)
- Blue (61%)



- Cyan (0%)
- Magenta (5%)
- Yellow (24%)
- Black (20%)



- Cyan (20%)
- Magenta (24%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1100, 53.7875, 38.7513 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 50.1100, 53.7875, 38.7513 by changing the saturation by 10% instead.

■ 50.1100, 53.7875,
38.7513

■ 50.1100, 53.7875,
38.7513

377.5408,
401.2992, 356.2263

■ 35.7190, 38.4318,
26.2600

■ 89.5287, 95.7622,
74.4744

■ 24.3863, 26.3180,
16.7907

■ 115.2870,
123.1499, 98.5432

■ 15.7467, 17.0617,
9.9250

145.5652,
155.3171, 127.3083

■ 9.4348, 10.2785,
5.2443

180.7286,
192.6482, 161.1882

■ 5.0852, 5.5840,
2.3301

221.1425,
235.5276, 200.6014

■ 2.3326, 2.5938,
0.7480

267.1722,

■ 0.8113, 0.9236,

284.3396, 245.9664

0.0000

319.1832,
339.4687, 297.7019

■ 0.0000, 0.0000,
0.0000

■ 50.1100, 53.7875,
38.7513

■ 50.1100, 53.7875,
38.7513

■ 47.6267, 51.3348,
30.1733

■ 52.9115, 56.4127,
48.8646

■ 45.4428, 49.0411,
23.0506

■ 56.0407, 59.2090,
60.5811

■ 43.5435, 46.9021,
17.3011

■ 59.5120, 62.1843,
73.9688

■ 41.9112, 44.9104,
12.8330

■ 63.3374, 65.3437,
89.0904

■ 40.5262, 43.0578,
9.5434

■ 67.2045, 68.5625,
104.2996

■ 39.3658, 41.3348,
7.3134

■ 68.2765, 70.7065,
104.6569

■ 38.4023, 39.7299,
5.9990

■ 69.3756, 72.9047,
105.0233

■ 37.8905, 38.8146,
5.4949

■ 70.5020, 75.1576,
105.3988

■ 71.6560, 77.4656,
105.7834

Harmonies

Analogous

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



54.2463, 53.7875, 39.9529



50.1100, 53.7875, 38.7513



46.4455, 53.7875, 42.2601

Triad

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



50.1100, 53.7875, 38.7513



45.0579, 53.7875, 73.5103



58.8233, 53.7875, 67.7777

Complementary

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



50.1100, 53.7875, 38.7513



37.8716, 38.2375, 62.5114

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.



56.1053, 53.7875, 78.6031



50.1100, 53.7875, 38.7513



48.1228, 53.7875, 82.2119

Square

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



50.1100, 53.7875, 38.7513



43.6326, 53.7875, 61.5360



52.1504, 53.7875, 84.1914



59.4259, 53.7875, 55.6921

Rectangle

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



50.1100, 53.7875, 38.7513



44.7122, 53.7875, 47.1186



52.1504, 53.7875, 84.1914



58.1199, 53.7875, 71.7305

Sweetspot

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



50.1114, 53.7899, 38.7524



91.1574, 96.6020, 94.0773



43.4715, 39.0198, 41.1334



19.4424, 20.6156, 19.8767



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.



50.1114, 53.7899, 38.7524



80.7207, 86.8685, 56.2558



48.7740, 56.5147, 39.3489



11.9520, 12.6929, 11.8995



23.9165, 24.5660, 3.4812



1.2843, 1.3682, 0.1964

Inverse Universe

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



37.8716, 38.2375, 62.5114



56.8881, 56.5905, 102.5325



38.9582, 36.2252, 62.0658



10.7841, 11.2085, 14.1655



7.4267, 3.8773, 36.3132



0.4386, 0.3109, 1.8918

Previews

White Background



This preview shows how the XYZ color 50.1100, 53.7875, 38.7513 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 50.1100, 53.7875, 38.7513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

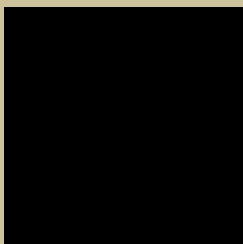
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

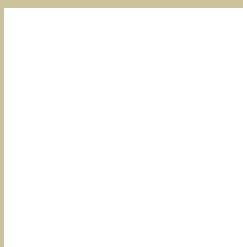
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1100, 53.7875, 38.7513

Background



This preview shows how black text looks on a background with the XYZ color 50.1100, 53.7875, 38.7513.



This preview shows how white text looks on a background with the XYZ color 50.1100, 53.7875,

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

50.1100, 53.7875, 38.7513

Protanopia

50.4400, 53.6283, 38.7032

Deuteranopia

54.6960, 53.5597, 39.3535



Tritanopia

55.2222, 53.9323, 63.3766

Trichromacy



Original Color

50.1100, 53.7875, 38.7513

Protanomaly

50.1632, 53.4856, 38.6902

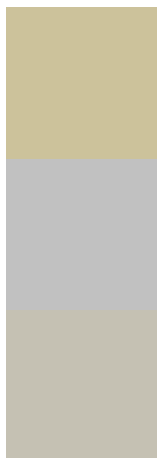
Deuteranomaly

52.8136, 53.5472, 39.0046

Tritanomaly

53.1828, 53.7396, 53.4687

Monochromacy



Original Color

50.1100, 53.7875, 38.7513

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.2326, 53.2649, 50.2814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1100, 53.7875, 38.7513 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(204, 194, 155)` looks like.

```
.text, #text, p{  
    color:rgb(204, 194, 155)  
}
```

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(204, 194, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 194, 155) }
```

Border

The CSS property to change the border of an element to XYZ 50.1100, 53.7875, 38.7513 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(204, 194, 155) }
```


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

```
.border{ border-color:rgb(204, 194, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 194, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 194, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 194, 155);  
box-shadow:4px 4px 4px 4px rgb(204, 194,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1100, 53.7875, 38.7513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 194, 155) }
```

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

```
.background{ background-color: rgb(204,  
194, 155) }
```

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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