

Converting Colors

XYZ(50.9585, 56.7667, 38.4524)

Have a look what the booklet for
XYZ(50.9585, 56.7667, 38.4524)
contains.

XYZ(50.7238, 56.4907, 38.3674)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.7238, 56.4907,
38.3674)**

Conversions

Conversions Part 1

Format	Color
Hex	C9C999
RGB	201, 201, 153
RGB Percent	79%, 79%, 60%
CMY	0.2118, 0.2117, 0.4000
CMYK	0.00, 0.00, 0.24, 0.21
HSL	60°, 31%, 69%
HSV	60°, 24%, 79%
XYZ	50.7238, 56.4907, 38.3674
YIQ	195.5280, 15.4080, -14.9280

Conversions

Conversions Part 2

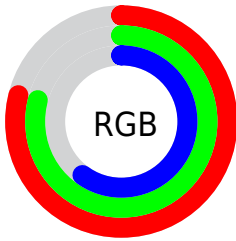
Format	Color
RYB	153, 201, 153
Decimal	13224345
CIELab	79.89, -7.76, 24.07
CIELCh	80, 25.289, 107.877
Yxy	56.4907, 0.3484, 0.3880
Android (android.graphics.Color)	4291414425 (0xFFC9C999)
YUV	195.5280, -20.9663, 4.7989
Hunter-Lab	75.1603, -11.0653, 22.3462

Details

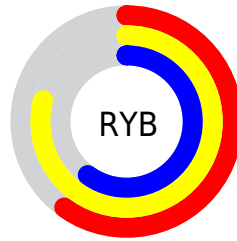
The XYZ color **50.7238, 56.4907, 38.3674** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.0729, 33.7733, 59.9319**, and the grayscale version is **52.3030, 55.0268, 59.9242**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **24.6861, 27.9377, 16.6618** is the 20% darker color. If you saturate the color by 10%, you get **49.2016, 55.8837, 30.3480**, and if you desaturate by 10%, it is **52.5286, 57.2146, 47.8621**.

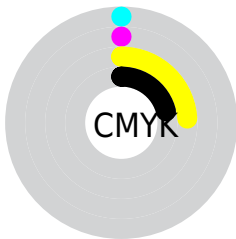
Distribution



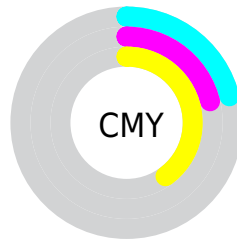
- Red (79%)
- Green (79%)
- Blue (60%)



- Red (60%)
- Yellow (79%)
- Blue (60%)



- Cyan (0%)
- Magenta (0%)
- Yellow (24%)
- Black (21%)





- Cyan (21%)
- Magenta (21%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7238, 56.4907, 38.3674 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 50.7238, 56.4907, 38.3674 by changing the saturation by 10% instead.


 50.7238, 56.4907,
38.3674


 50.7238, 56.4907,
38.3674


379.8951,
411.5381, 354.5387

 36.2090, 40.5965,
25.9639


 90.4318, 99.7217,
73.8806

 24.7665, 28.0039,
16.5711


 116.3557,
127.8272, 97.8274

 16.0310, 18.3286,
9.7705


146.8133,
160.7720, 126.4590

 9.6371, 11.1862,
5.1434

182.1701,
198.9404, 160.1940

 5.2194, 6.1922,
2.2715

222.7913,
242.7168, 199.4509

 2.4126, 2.9623,
0.7152

269.0423,

 0.8514, 1.1121,

292.4856, 244.6483

0.0000

321.2884,
348.6313, 296.2048

■ 0.0000, 0.0000,
0.0000

■ 50.7238, 56.4907,
38.3674

■ 50.7238, 56.4907,
38.3674

■ 49.2016, 55.8837,
30.3480

■ 52.5286, 57.2146,
47.8621

■ 47.9437, 55.3805,
23.7267

■ 54.6247, 58.0531,
58.8972

■ 46.9362, 54.9774,
18.4244


■ 57.0258, 59.0136,
71.5381


■ 46.1625, 54.6679,
14.3529


■ 59.7433, 60.1007,
85.8455


■ 45.6038, 54.4443,
11.4133


■ 62.7882, 61.3187,
101.8768


 45.2382, 54.2980,
9.4914


 63.0286, 61.4149,
103.1400

 45.0397, 54.2186,
8.4489

 63.0291, 61.4152,
103.1401

 44.9712, 54.1911,
8.0897

 63.0297, 61.4155,
103.1401

 63.0302, 61.4158,
103.1401

Harmonies

Analogous

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



55.7891, 56.4907, 37.8345



50.7238, 56.4907, 38.3674



46.7096, 56.4907, 44.4536

Triad

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



50.7238, 56.4907, 38.3674



47.3501, 56.4907, 84.9083



63.9161, 56.4907, 67.6286

Complementary

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



50.7238, 56.4907, 38.3674



35.0729, 33.7733, 59.9319

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.



61.3392, 56.4907, 82.4483



50.7238, 56.4907, 38.3674



51.6495, 56.4907, 93.4367

Square

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



50.7238, 56.4907, 38.3674



44.8488, 56.4907, 70.5864



56.7753, 56.4907, 92.4709



63.6289, 56.4907, 53.2448

Rectangle

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



50.7238, 56.4907, 38.3674



45.0707, 56.4907, 51.4801



56.7753, 56.4907, 92.4709



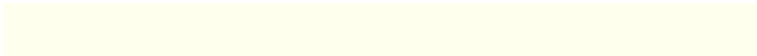
63.3497, 56.4907, 72.7620

Sweetspot

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



50.7253, 56.4932, 38.3686



92.3073, 98.9029, 94.4608



41.2303, 37.5013, 35.2032



19.7096, 21.1501, 19.9658



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.



50.7253, 56.4932, 38.3686



85.3429, 96.1168, 57.7973



44.7700, 53.4232, 38.0899



11.5238, 12.4170, 11.3521



28.2746, 34.0714, 5.0862



1.3388, 1.6133, 0.2408

Inverse Universe

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



35.0729, 33.7733, 59.9319



53.6536, 50.1188, 101.4538



40.0670, 36.3479, 60.1656



10.0568, 10.2875, 13.3731



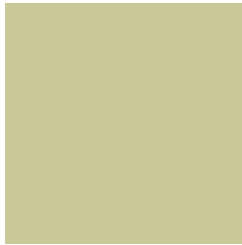
6.6290, 2.6516, 34.9068



0.3139, 0.1256, 1.6528

Previews

White Background



This preview shows how the XYZ color 50.7238, 56.4907, 38.3674 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 50.7238, 56.4907, 38.3674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

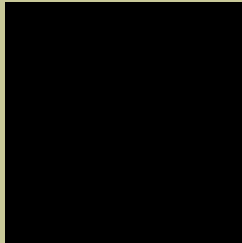
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

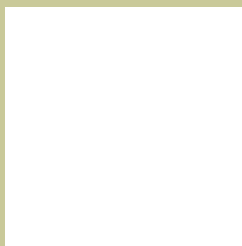
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.7238, 56.4907, 38.3674

Background



This preview shows how black text looks on a background with the XYZ color 50.7238, 56.4907, 38.3674.



This preview shows how white text looks on a background with the XYZ color 50.7238, 56.4907,

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

50.7238, 56.4907, 38.3674

Protanopia

52.6440, 56.4714, 37.4036

Deuteranopia

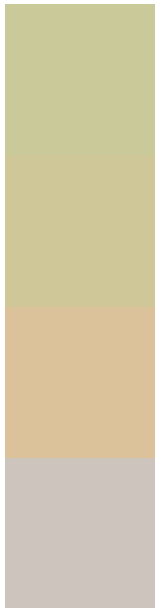
57.2848, 56.1824, 38.8354



Tritanopia

56.8128, 56.5969, 68.2515

Trichromacy



Original Color

50.7238, 56.4907, 38.3674

Protanomaly

51.8230, 56.3792, 37.8567

Deuteranomaly

54.6397, 56.1323, 38.5266

Tritanomaly

54.3284, 56.5858, 56.2028

Monochromacy



Original Color

50.7238, 56.4907, 38.3674

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.7210, 55.6892, 51.2031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7238, 56.4907, 38.3674 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(201, 201, 153)` looks like.

```
.text, #text, p{  
    color:rgb(201, 201, 153)  
}
```

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(201, 201, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 201, 153) }
```

Border

The CSS property to change the border of an element to XYZ 50.7238, 56.4907, 38.3674 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(201, 201, 153) }
```


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

```
.border{ border-color:rgb(201, 201, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 201, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 201, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 201, 153);  
box-shadow:4px 4px 4px 4px rgb(201, 201,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7238, 56.4907, 38.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 201, 153) }
```

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

```
.background{ background-color: rgb(201,  
201, 153) }
```

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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