

Converting Colors

XYZ(52.3437, 55.0758, 49.9453)

Have a look what the booklet for
XYZ(52.3437, 55.0758, 49.9453)
contains.

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Color

**XYZ(52.4528, 55.0819,
49.9868)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC3B2
RGB	204, 195, 178
RGB Percent	80%, 76%, 70%
CMY	0.2000, 0.2353, 0.3020
CMYK	0.00, 0.04, 0.13, 0.20
HSL	39°, 20%, 75%
HSV	39°, 13%, 80%
XYZ	52.4528, 55.0819, 49.9868
YIQ	195.7530, 10.8210, -3.3790

Conversions

Conversions Part 2

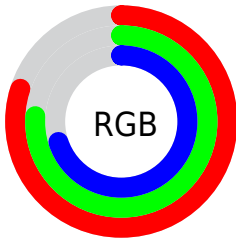
Format	Color
R_{YB}	192, 204, 178
Decimal	13419442
CIE Lab	79.09, 0.26, 9.66
CIE LCh	79, 9.662, 88.467
Yxy	55.0819, 0.3330, 0.3497
Android (android.graphics.Color)	4291609522 (0xFFCCC3B2)
YUV	195.7530, -8.7522, 7.2326
Hunter-Lab	74.2172, -3.7257, 12.0190

Details

The XYZ color **52.4528, 55.0819, 49.9868** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.0294, 49.3643, 64.1768**, and the grayscale version is **52.3688, 55.0961, 59.9996**.

A 20% lighter version of the original color is **90.9017, 96.8213, 91.7393**, and **25.8042, 27.0145, 23.2563** is the 20% darker color. If you saturate the color by 10%, you get **49.0111, 51.2360, 39.4745**, and if you desaturate by 10%, it is **56.2769, 59.2041, 62.1307**.

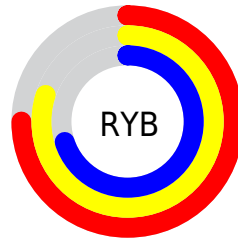
Distribution



Red (80%)

Green (76%)

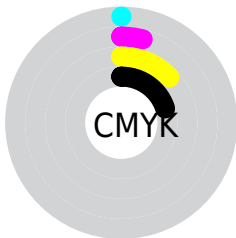
Blue (70%)



Red (75%)

Yellow (80%)

Blue (70%)

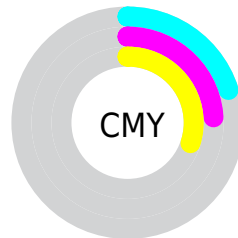


Cyan (0%)

Magenta (4%)

Yellow (13%)

Black (20%)



Cyan (20%)


Magenta (24%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4528, 55.0819, 49.9868 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 52.4528, 55.0819, 49.9868 by changing the saturation by 10% instead.


 52.4528, 55.0819,
49.9868

 52.4528, 55.0819,
49.9868

386.4775,
406.2223, 403.3479

 37.5918, 39.4673,
35.0318


 92.9690, 97.6609,
91.5514

 25.8418, 27.1234,
23.4036


119.3549,
125.3942, 118.9981

 16.8374, 17.6660,
14.6837

150.3132,
157.9357, 151.4458

 10.2132, 10.7104,
8.4536

186.2092,
195.6700, 189.3130

 5.6039, 5.8725,
4.2946

227.4082,
238.9814, 233.0183

 2.6441, 2.7677,
1.7883

274.2758,

 0.9685, 1.0117,

288.2543, 282.9802

0.4202

327.1771,
343.8732, 339.6172

■ 0.0000, 0.0000,
0.0000

■ 52.4528, 55.0819,
49.9868

■ 52.4528, 55.0819,
49.9868

■ 49.0111, 51.2360,
39.4745

■ 56.2769, 59.2041,
62.1307

■ 45.9330, 47.6516,
30.5195

■ 60.4925, 63.6023,
75.9692

■ 43.2044, 44.3235,
23.0466

■ 65.1140, 68.2856,
91.5663

■ 40.8087, 41.2431,
16.9733

■ 69.4036, 72.9605,
105.0326

■ 38.7276, 38.4014,
12.2087

■ 71.3317, 76.8167,
105.6753

■ 36.9409, 35.7886,
8.6513

■ 73.3393, 80.8320,
106.3445

■ 35.4251, 33.3934,
6.1843

■ 75.4275, 85.0084,
107.0405

■ 34.1526, 31.2029,
4.6673

■ 77.5971, 89.3475,
107.7637

■ 33.3467, 29.7267,
3.9803

■ 78.7120, 91.5775,
108.1354

Harmonies

Analogous

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



54.3141, 55.0819, 51.3830



52.4528, 55.0819, 49.9868



50.6086, 55.0819, 51.1275

Triad

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



52.4528, 55.0819, 49.9868



49.1657, 55.0819, 65.1726



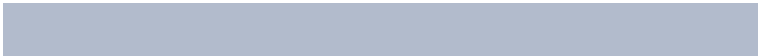
55.5734, 55.0819, 65.6933

Complementary

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



52.4528, 55.0819, 49.9868



47.0294, 49.3643, 64.1768

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.



54.1385, 55.0819, 69.7881



52.4528, 55.0819, 49.9868



50.4410, 55.0819, 69.4747

Square

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



52.4528, 55.0819, 49.9868



48.7389, 55.0819, 59.6916



52.2547, 55.0819, 71.2119



56.1429, 55.0819, 60.2589

Rectangle

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



52.4528, 55.0819, 49.9868



49.6306, 55.0819, 53.2150



52.2547, 55.0819, 71.2119



55.1746, 55.0819, 67.2842

Sweetspot

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



52.4543, 55.0843, 49.9880



92.3353, 97.1292, 100.1074



49.8032, 48.2711, 53.7629



19.6568, 20.6759, 21.0842



0.0000, 0.0000, 0.0000



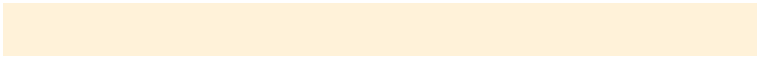
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.4543, 55.0843, 49.9880



85.4142, 89.6215, 78.2721



53.4754, 58.6938, 50.6308



11.8144, 12.4177, 11.8536



21.0784, 18.8897, 2.5351



1.1565, 1.1128, 0.1538

Inverse Universe

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



47.0294, 49.3643, 64.1768



74.8835, 78.5185, 105.8165



46.0880, 46.1341, 63.6029



10.9139, 11.4682, 14.2087



8.3405, 5.7050, 36.6178



0.5008, 0.4354, 1.9126

Previews

White Background



This preview shows how the XYZ color 52.4528, 55.0819, 49.9868 looks on a white background.

Color Contrast Check

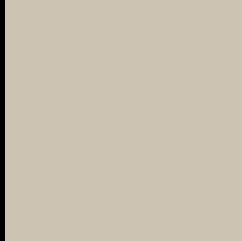
Large Text (above 18pt) WCAG AA × Fail

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 52.4528, 55.0819, 49.9868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

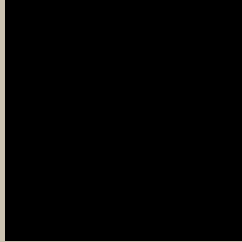
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

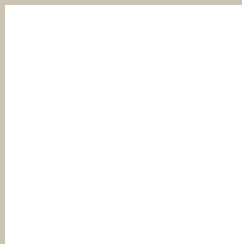
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.4528, 55.0819, 49.9868

Background



This preview shows how black text looks on a background with the XYZ color 52.4528, 55.0819, 49.9868.



This preview shows how white text looks on a background with the XYZ color 52.4528, 55.0819,

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

52.4528, 55.0819, 49.9868

Protanopia

52.1796, 54.9411, 49.9740

Deuteranopia

56.1531, 55.0220, 50.3086



Tritanopia

55.7838, 55.1277, 66.0931

Trichromacy



Original Color

52.4528, 55.0819, 49.9868

Protanomaly

52.1796, 54.9411, 49.9740

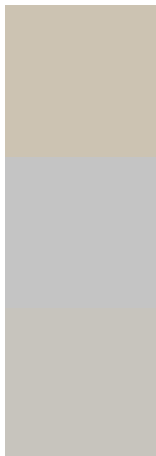
Deuteranomaly

54.7918, 54.9633, 50.3690

Tritanomaly

54.5456, 54.9502, 59.9561

Monochromacy



Original Color

52.4528, 55.0819, 49.9868

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

52.4784, 55.2961, 56.0514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4528, 55.0819, 49.9868 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, 195, 178) looks like.

```
.text, #text, p{  
    color:rgb(204, 195, 178)  
}
```

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, 195, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 195, 178) }
```

Border

The CSS property to change the border of an element to XYZ 52.4528, 55.0819, 49.9868 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, 195, 178) }
```


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

```
.border{ border-color:rgb(204, 195, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 195, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 195, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 195, 178);  
box-shadow:4px 4px 4px 4px rgb(204, 195,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4528, 55.0819, 49.9868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 195, 178) }
```

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

```
.background{ background-color: rgb(204,  
195, 178) }
```

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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