

Converting Colors

XYZ(50.7272, 53.6510, 45.8418)

Have a look what the booklet for
XYZ(50.7272, 53.6510, 45.8418)
contains.

XYZ(50.6828, 53.5988, 45.7045)	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(50.6828, 53.5988,
45.7045)**

Conversions

Conversions Part 1

Format	Color
Hex	CAC1AA
RGB	202, 193, 170
RGB Percent	79%, 76%, 67%
CMY	0.2078, 0.2431, 0.3333
CMYK	0.00, 0.04, 0.16, 0.21
HSL	43°, 23%, 73%
HSV	43°, 16%, 79%
XYZ	50.6828, 53.5988, 45.7045
YIQ	193.0690, 12.7470, -5.2450

Conversions

Conversions Part 2

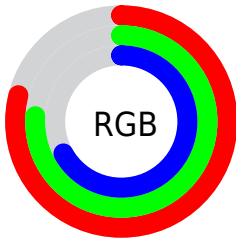
Format	Color
RYB	183, 202, 170
Decimal	13287850
CIELab	78.23, -0.70, 12.71
CIELCh	78, 12.731, 93.131
Yxy	53.5988, 0.3379, 0.3574
Android (android.graphics.Color)	4291477930 (0xFFCAC1AA)
YUV	193.0690, -11.3730, 7.8325
Hunter-Lab	73.2112, -4.5473, 14.2341

Details

The XYZ color **50.6828, 53.5988, 45.7045** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.3581, 45.0495, 62.2878**, and the grayscale version is **50.7899, 53.4349, 58.1906**.

A 20% lighter version of the original color is **88.7063, 94.4476, 84.7891**, and **24.8608, 26.3601, 20.9172** is the 20% darker color. If you saturate the color by 10%, you get **47.6860, 50.4316, 35.9913**, and if you desaturate by 10%, it is **54.0243, 56.9846, 56.9825**.

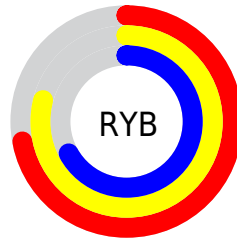
Distribution



Red (79%)

Green (76%)

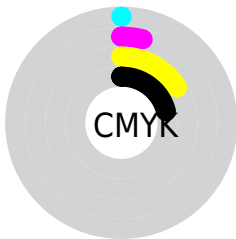
Blue (67%)



Red (72%)

Yellow (79%)

Blue (67%)

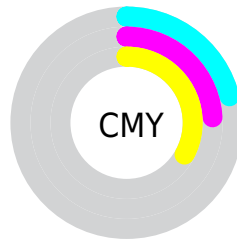


Cyan (0%)

Magenta (4%)

Yellow (16%)

Black (21%)



Cyan (21%)

Magenta (24%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6828, 53.5988, 45.7045 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 50.6828, 53.5988, 45.7045 by changing the saturation by 10% instead.

■ 50.6828, 53.5988,
45.7045

■ 50.6828, 53.5988,
45.7045

379.7381,
400.5783, 385.8624

■ 36.1762, 38.2810,
31.6657

■ 90.3715, 95.4849,
85.1062

■ 24.7411, 26.2009,
20.8436

116.2844,
122.8220, 111.3062

■ 16.0120, 16.9740,
12.8196

146.7301,
154.9344, 142.3970

■ 9.6235, 10.2159,
7.1752

182.0739,
192.2063, 178.7972

■ 5.2104, 5.5424,
3.4918

222.6813,
235.0223, 220.9253

■ 2.4073, 2.5689,
1.3509

268.9175,

■ 0.8487, 0.9110,

283.7667, 269.1998

0.1030

321.1480,
338.8239, 324.0393

■ 0.0000, 0.0000,
0.0000

■ 50.6828, 53.5988,
45.7045

■ 50.6828, 53.5988,
45.7045

■ 47.6860, 50.4316,
35.9913

■ 54.0243, 56.9846,
56.9825

■ 45.0158, 47.4695,
27.7690

■ 57.7194, 60.5880,
69.8879

■ 42.6586, 44.7081,
20.9627

■ 61.7816, 64.4171,
84.4842

■ 40.5982, 42.1399,
15.4896

■ 66.2227, 68.4774,
100.8301

■ 38.8168, 39.7569,
11.2584

■ 68.3690, 71.7001,
104.8438

■ 37.2942, 37.5501,
8.1660

■ 69.8974, 74.7568,
105.3533

■ 36.0072, 35.5094,
6.0929

■ 71.4770, 77.9161,
105.8798

■ 34.9269, 33.6222,
4.8901

■ 73.1084, 81.1788,
106.4236

■ 34.5155, 32.8731,
4.5260

■ 74.7919, 84.5458,
106.9848

Harmonies

Analogous

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



53.1400, 53.5988, 46.9568



50.6828, 53.5988, 45.7045



48.3703, 53.5988, 47.6081

Triad

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



50.6828, 53.5988, 45.7045



47.0367, 53.5988, 66.1846



55.3381, 53.5988, 64.7828

Complementary

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



50.6828, 53.5988, 45.7045



43.3581, 45.0495, 62.2878

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.



53.6075, 53.5988, 70.6198



50.6828, 53.5988, 45.7045



48.8095, 53.5988, 71.4743

Square

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



50.6828, 53.5988, 45.7045



46.3087, 53.5988, 59.1127



51.2062, 53.5988, 73.1593



55.8788, 53.5988, 57.6137

Rectangle

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



50.6828, 53.5988, 45.7045



47.2068, 53.5988, 50.5092



51.2062, 53.5988, 73.1593



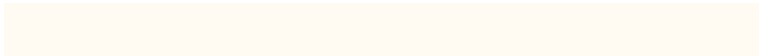
54.8735, 53.5988, 66.9848

Sweetspot

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



50.6842, 53.6012, 45.7056



91.9318, 96.9402, 98.0674



46.8759, 44.5641, 48.8149



19.5861, 20.6588, 20.6769



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.



50.6842, 53.6012, 45.7056



84.0154, 88.8787, 71.4707



50.8997, 56.7548, 46.3030



11.8769, 12.5428, 11.8745



22.2888, 21.3105, 2.9386



1.2120, 1.2237, 0.1723

Inverse Universe

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



43.3581, 45.0495, 62.2878



69.2945, 71.6965, 104.7943



43.1523, 42.3537, 61.7783



10.8543, 11.3490, 14.1889



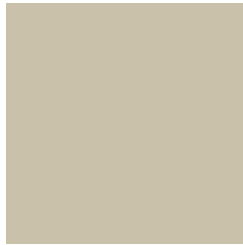
7.8604, 4.7448, 36.4578



0.4708, 0.3753, 1.9026

Previews

White Background



This preview shows how the XYZ color 50.6828, 53.5988, 45.7045 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 50.6828, 53.5988, 45.7045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

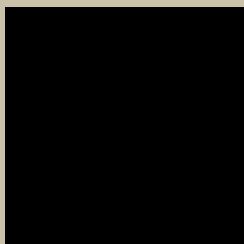
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

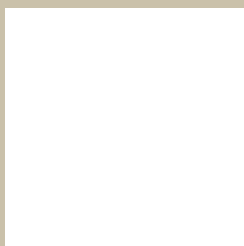
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.6828, 53.5988, 45.7045

Background



This preview shows how black text looks on a background with the XYZ color 50.6828, 53.5988, 45.7045.



This preview shows how white text looks on a background with the XYZ color 50.6828, 53.5988,

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

50.6828, 53.5988, 45.7045

Protanopia

50.6828, 53.5988, 45.7045

Deuteranopia

54.4248, 53.2737, 45.9424



Tritanopia

54.2163, 53.4000, 63.9496

Trichromacy



Original Color

50.6828, 53.5988, 45.7045

Protanomaly

50.6828, 53.5988, 45.7045

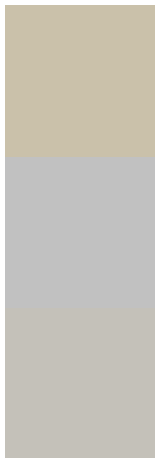
Deuteranomaly

52.9889, 53.4816, 46.0582

Tritanomaly

52.9943, 53.5676, 56.8367

Monochromacy



Original Color

50.6828, 53.5988, 45.7045

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.5919, 53.3785, 53.5355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6828, 53.5988, 45.7045 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(202, 193, 170)` looks like.

```
.text, #text, p{  
    color:rgb(202, 193, 170)  
}
```

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(202, 193, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 193, 170) }
```

Border

The CSS property to change the border of an element to XYZ 50.6828, 53.5988, 45.7045 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(202, 193, 170) }
```


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

```
.border{ border-color:rgb(202, 193, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 193, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 193, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 193, 170);  
box-shadow:4px 4px 4px 4px rgb(202, 193,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6828, 53.5988, 45.7045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 193, 170) }
```

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

```
.background{ background-color: rgb(202,  
193, 170) }
```

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