

Converting Colors

XYZ(50.1415, 51.3608, 39.8793)

Have a look what the booklet for
XYZ(50.1415, 51.3608, 39.8793)
contains.

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Color

**XYZ(50.3228, 51.5992,
40.1082)**

Conversions

Conversions Part 1

Format	Color
Hex	D1BB9F
RGB	209, 187, 159
RGB Percent	82%, 73%, 62%
CMY	0.1804, 0.2666, 0.3765
CMYK	0.00, 0.11, 0.24, 0.18
HSL	34°, 35%, 72%
HSV	34°, 24%, 82%
XYZ	50.3228, 51.5992, 40.1082
YIQ	190.3860, 22.1000, -4.0440

Conversions

Conversions Part 2

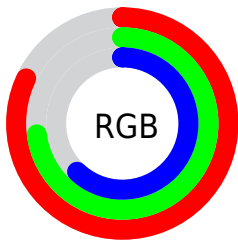
Format	Color
R _Y B	198, 209, 159
Decimal	13745055
CIE Lab	77.04, 3.46, 17.05
CIE LCh	77, 17.393, 78.535
Yxy	51.5992, 0.3543, 0.3633
Android (android.graphics.Color)	4291935135 (0xFFD1BB9F)
YUV	190.3860, -15.4733, 16.3245
Hunter-Lab	71.8326, -0.6576, 17.1778

Details

The XYZ color **50.3228, 51.5992, 40.1082** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.3301, 45.0208, 66.7806**, and the grayscale version is **49.2448, 51.8094, 56.4204**.

A 20% lighter version of the original color is **85.4282, 90.2162, 76.5293**, and **24.5054, 24.9818, 17.4403** is the 20% darker color. If you saturate the color by 10%, you get **46.7722, 47.1590, 30.7207**, and if you desaturate by 10%, it is **54.3077, 56.4165, 51.1546**.

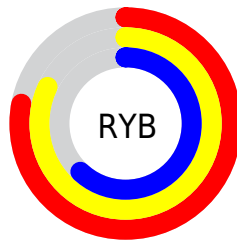
Distribution



Red (82%)

Green (73%)

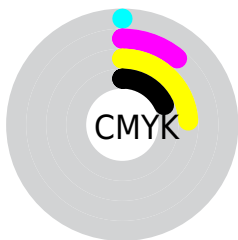
Blue (62%)



Red (78%)

Yellow (82%)

Blue (62%)

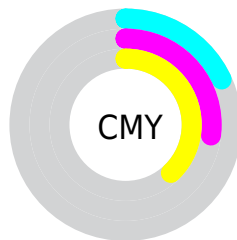


Cyan (0%)

Magenta (11%)

Yellow (24%)

Black (18%)



Cyan (18%)


Magenta (27%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3228, 51.5992, 40.1082 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 50.3228, 51.5992, 40.1082 by changing the saturation by 10% instead.

 50.3228, 51.5992,
40.1082


 50.3228, 51.5992,
40.1082


378.3581,
392.8873, 362.1451

 35.8888, 36.6857,
27.3085


 89.8419, 92.5399,
76.5671

 24.5180, 24.9642,
17.5706


 115.6578,
119.3358, 101.0634

 15.8452, 16.0504,
10.4759


145.9983,
150.8614, 130.2957

 9.5048, 9.5598,
5.6059

181.2288,
187.5010, 164.6824

 5.1316, 5.1081,
2.5421

221.7147,
229.6390, 204.6422

 2.3602, 2.3108,
0.8623

267.8213,

 0.8252, 0.7794,

277.6598, 250.5935

0.0000

319.9140,
331.9478, 302.9550

■ 0.0000, 0.0000,
0.0000

■ 50.3228, 51.5992,
40.1082

■ 50.3228, 51.5992,
40.1082

■ 46.7722, 47.1590,
30.7207

■ 54.3077, 56.4165,
51.1546

■ 43.6342, 43.0782,
22.9069

■ 58.7394, 61.6142,
63.9328

■ 40.8908, 39.3475,
16.5789

■ 63.6349, 67.2044,
78.5155

■ 38.5213, 35.9548,
11.6385

■ 69.0091, 73.1964,
94.9700

■ 36.5023, 32.8865,
7.9759

■ 73.4766, 79.0394,
105.9912

■ 34.8073, 30.1280,
5.4641

■ 76.1472, 84.3807,
106.8815

■ 33.4045, 27.6621,
3.9495

■ 78.9555, 89.9973,
107.8176

■ 32.6628, 26.2918,
3.3533

■ 80.1046, 92.2953,
108.2006

Harmonies

Analogous

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



53.3913, 51.5992, 43.5707



50.3228, 51.5992, 40.1082



47.0429, 51.5992, 40.5759

Triad

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



50.3228, 51.5992, 40.1082



43.2388, 51.5992, 62.1947



53.9823, 51.5992, 69.1733

Complementary

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



50.3228, 51.5992, 40.1082



42.3301, 45.0208, 66.7806

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.



51.1001, 51.5992, 75.3521



50.3228, 51.5992, 40.1082



44.9384, 51.5992, 71.0202

Square

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



50.3228, 51.5992, 40.1082



43.0518, 51.5992, 52.6280



47.7861, 51.5992, 76.0637



55.5668, 51.5992, 59.8940

Rectangle

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



50.3228, 51.5992, 40.1082



45.1745, 51.5992, 43.0657



47.7861, 51.5992, 76.0637



53.1273, 51.5992, 71.7246

Sweetspot

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



50.3242, 51.6015, 40.1093



89.8539, 93.9951, 93.6428



47.0849, 41.7089, 49.5550



19.1402, 20.0111, 19.7760



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.



50.3242, 51.6015, 40.1093



75.8316, 77.0902, 54.6261



54.6514, 61.2978, 41.7528



12.3501, 12.8908, 12.4493



20.2386, 16.4102, 2.1008



1.2100, 1.0742, 0.1436

Inverse Universe

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



42.3301, 45.0208, 66.7806



61.0585, 64.9312, 103.9226



38.7062, 37.0295, 65.4291



11.5855, 12.2613, 14.9997



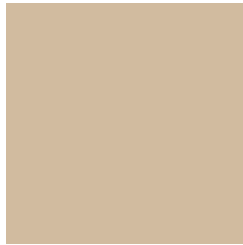
9.5471, 7.7408, 38.1834



0.6122, 0.5896, 2.1611

Previews

White Background



This preview shows how the XYZ color 50.3228, 51.5992, 40.1082 looks on a white background.

Color Contrast Check

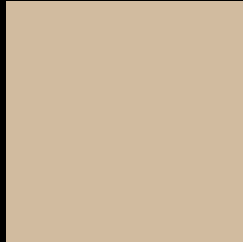
Large Text (above 18pt) WCAG AA × Fail

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 50.3228, 51.5992, 40.1082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

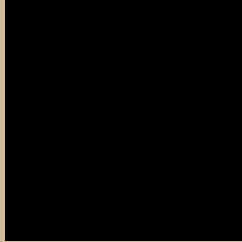
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

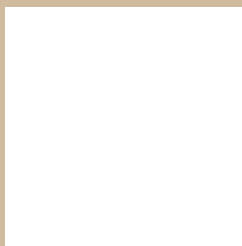
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.3228, 51.5992, 40.1082

Background



This preview shows how black text looks on a background with the XYZ color 50.3228, 51.5992, 40.1082.



This preview shows how white text looks on a background with the XYZ color 50.3228, 51.5992,

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

50.3228, 51.5992, 40.1082

Protanopia

48.5780, 51.6443, 40.6657

Deuteranopia

52.4921, 51.4651, 40.4248



Tritanopia

54.4233, 51.7376, 59.3425

Trichromacy



Original Color

50.3228, 51.5992, 40.1082

Protanomaly

49.1714, 51.6298, 40.6316

Deuteranomaly

51.5100, 51.2661, 40.4382

Tritanomaly

52.8391, 51.6969, 51.9933

Monochromacy



Original Color

50.3228, 51.5992, 40.1082

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.3602, 51.5202, 49.9907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3228, 51.5992, 40.1082 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(209, 187, 159)` looks like.

```
.text, #text, p{  
    color:rgb(209, 187, 159)  
}
```

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(209, 187, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 187, 159) }
```

Border

The CSS property to change the border of an element to XYZ 50.3228, 51.5992, 40.1082 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(209, 187, 159) }
```


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

```
.border{ border-color:rgb(209, 187, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 187, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 187, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 187, 159);  
box-shadow:4px 4px 4px 4px rgb(209, 187,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3228, 51.5992, 40.1082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 187, 159) }
```

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

```
.background{ background-color: rgb(209,  
187, 159) }
```

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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