

Converting Colors

XYZ(49.0936, 49.5127, 36.1479)

Have a look what the booklet for
XYZ(49.0936, 49.5127, 36.1479)
contains.

XYZ(49.1778, 49.5391, 36.2482)	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(49.1778, 49.5391,
36.2482)**

Conversions

Conversions Part 1

Format	Color
Hex	D3B697
RGB	211, 182, 151
RGB Percent	83%, 71%, 59%
CMY	0.1725, 0.2863, 0.4078
CMYK	0.00, 0.14, 0.28, 0.17
HSL	31°, 41%, 71%
HSV	31°, 28%, 83%
XYZ	49.1778, 49.5391, 36.2482
YIQ	187.1370, 27.2350, -3.4930

Conversions

Conversions Part 2

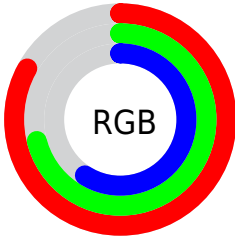
Format	Color
R_{YB}	207, 211, 151
Decimal	13874839
CIE _{Lab}	75.79, 5.78, 19.64
CIE _{LCh}	76, 20.469, 73.611
Yxy	49.5391, 0.3644, 0.3671
Android (android.graphics.Color)	4292064919 (0xFFD3B697)
YUV	187.1370, -17.8155, 20.9279
Hunter-Lab	70.3840, 1.5472, 18.7341

Details

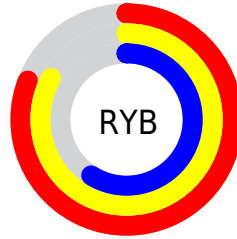
The XYZ color **49.1778, 49.5391, 36.2482** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.8412, 43.9237, 67.9537**, and the grayscale version is **47.3991, 49.8675, 54.3057**.

A 20% lighter version of the original color is **82.8340, 86.8168, 70.1491**, and **23.8608, 23.6885, 15.3713** is the 20% darker color. If you saturate the color by 10%, you get **45.6028, 44.8902, 27.3456**, and if you desaturate by 10%, it is **53.2142, 54.6194, 46.8188**.

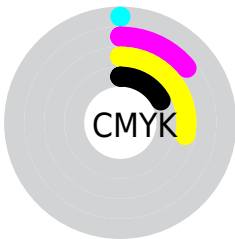
Distribution



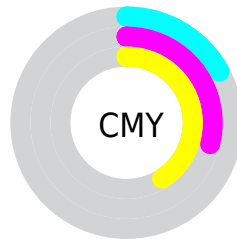
- Red (83%)
- Green (71%)
- Blue (59%)



- Red (81%)
- Yellow (83%)
- Blue (59%)



- Cyan (0%)
- Magenta (14%)
- Yellow (28%)
- Black (17%)





- Cyan (17%)
- Magenta (29%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1778, 49.5391, 36.2482 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 49.1778, 49.5391, 36.2482 by changing the saturation by 10% instead.


 49.1778, 49.5391,
36.2482


 49.1778, 49.5391,
36.2482


373.9472,
384.8608, 345.1142

 34.9757, 35.0473,
24.3347


 88.1546, 89.4916,
70.5883

 23.8106, 23.6993,
15.3676


 113.6600,
115.7211, 93.8521

 15.3171, 15.1107,
8.9283

143.6638,
146.6320, 121.7364

 9.1300, 8.8971,
4.5983

178.5314,
182.6087, 154.6597

 4.8839, 4.6741,
1.9590

218.6282,
224.0355, 193.0406

 2.2133, 2.0574,
0.5299

264.3196,

 0.7498, 0.6405,

271.2968, 237.2976

0.0000

315.9708,
324.7771, 287.8493

■ 0.0000, 0.0000,
0.0000

■ 49.1778, 49.5391,
36.2482

■ 49.1778, 49.5391,
36.2482

■ 45.6028, 44.8902,
27.3456

■ 53.2142, 54.6194,
46.8188

■ 42.4657, 40.6528,
20.0206

■ 57.7264, 60.1366,
59.1351

■ 39.7466, 36.8155,
14.1790

■ 62.7329, 66.1047,
73.2736

■ 37.4223, 33.3635,
9.7151

■ 68.2498, 72.5348,
89.3053

■ 35.4665, 30.2806,
6.5090

■ 74.0499, 79.3407,
106.0192

■ 33.8492, 27.5486,
4.4196

■ 77.0203, 85.2815,
107.0093

■ 32.5260, 25.1439,
3.2338

■ 80.1603, 91.5615,
108.0560

■ 32.3361, 24.7931,
3.0812

■ 80.6740, 92.5889,
108.2272

Harmonies

Analogous

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



52.5777, 49.5391, 40.7524



49.1778, 49.5391, 36.2482



45.3864, 49.5391, 36.0471

Triad

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



49.1778, 49.5391, 36.2482



40.3335, 49.5391, 59.0166



52.3085, 49.5391, 70.5578

Complementary

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



49.1778, 49.5391, 36.2482



40.8412, 43.9237, 67.9537

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.



48.8263, 49.5391, 76.9470



49.1778, 49.5391, 36.2482



41.9896, 49.5391, 69.7030

Square

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



49.1778, 49.5391, 36.2482



40.4163, 49.5391, 48.2468



45.0533, 49.5391, 76.6146



54.4506, 49.5391, 60.0636

Rectangle

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



49.1778, 49.5391, 36.2482



43.1546, 49.5391, 38.3186



45.0533, 49.5391, 76.6146



51.2479, 49.5391, 73.3161

Sweetspot

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



49.1791, 49.5414, 36.2492



88.1360, 91.7358, 89.4427



46.1692, 39.2779, 48.3285



18.6382, 19.3608, 18.5180



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.



49.1791, 49.5414, 36.2492



72.1556, 71.7378, 47.2363



55.4588, 62.5247, 38.4243



12.3067, 12.8042, 12.4349



19.6179, 15.1689, 1.8939



1.1762, 1.0067, 0.1323

Inverse Universe

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



40.8412, 43.9237, 67.9537



57.3581, 61.7692, 103.5073



35.7739, 33.5124, 66.2112



11.6284, 12.3471, 15.0140



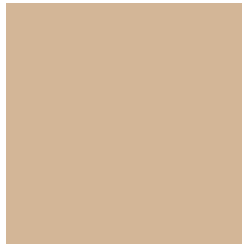
10.0631, 8.7728, 38.3554



0.6419, 0.6491, 2.1710

Previews

White Background



This preview shows how the XYZ color 49.1778, 49.5391, 36.2482 looks on a white background.

Color Contrast Check

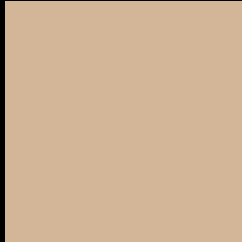
Large Text (above 18pt) WCAG AA × Fail

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 49.1778, 49.5391, 36.2482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

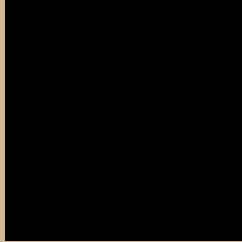
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.1778, 49.5391, 36.2482

Background



This preview shows how black text looks on a background with the XYZ color 49.1778, 49.5391, 36.2482.



This preview shows how white text looks on a background with the XYZ color 49.1778, 49.5391,

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

49.1778, 49.5391, 36.2482

Protanopia

46.8088, 49.8463, 37.2912

Deuteranopia

50.5224, 49.6286, 36.1946



Tritanopia

53.3353, 49.7609, 55.5089

Trichromacy



Original Color

49.1778, 49.5391, 36.2482

Protanomaly

47.6451, 49.6614, 36.7802

Deuteranomaly

50.1341, 49.7292, 36.2345

Tritanomaly

51.6881, 49.6709, 47.9375

Monochromacy



Original Color

49.1778, 49.5391, 36.2482

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.7539, 49.4897, 47.0800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1778, 49.5391, 36.2482 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(211, 182, 151) looks like.

```
.text, #text, p{  
    color:rgb(211, 182, 151)  
}
```

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(211, 182, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 182, 151) }
```

Border

The CSS property to change the border of an element to XYZ 49.1778, 49.5391, 36.2482 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(211, 182, 151) }
```


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

```
.border{ border-color:rgb(211, 182, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 182, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 182, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 182, 151);  
box-shadow:4px 4px 4px 4px rgb(211, 182,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1778, 49.5391, 36.2482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 182, 151) }
```

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

```
.background{ background-color: rgb(211,  
182, 151) }
```

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