

Converting Colors

XYZ(49.8004, 49.7558, 36.8850)

Have a look what the booklet for
XYZ(49.8004, 49.7558, 36.8850)
contains.

XYZ(49.8360, 49.8690, 36.7048)	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(49.8360, 49.8690,
36.7048)**

Conversions

Conversions Part 1

Format	Color
Hex	D5B698
RGB	213, 182, 152
RGB Percent	84%, 71%, 60%
CMY	0.1647, 0.2863, 0.4039
CMYK	0.00, 0.15, 0.29, 0.16
HSL	30°, 42%, 72%
HSV	30°, 29%, 84%
XYZ	49.8360, 49.8690, 36.7048
YIQ	187.8490, 28.1060, -2.7580

Conversions

Conversions Part 2

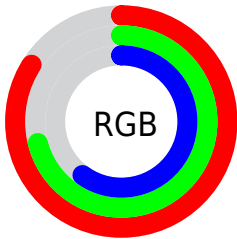
Format	Color
RYB	213, 211, 152
Decimal	14005912
CIELab	75.99, 6.68, 19.41
CIELCh	76, 20.526, 71.002
Yxy	49.8690, 0.3653, 0.3656
Android (android.graphics.Color)	4292195992 (0xFFD5B698)
YUV	187.8490, -17.6736, 22.0574
Hunter-Lab	70.6180, 2.3882, 18.6157

Details

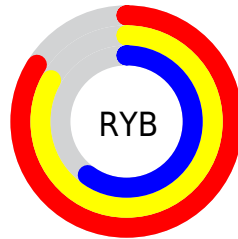
The XYZ color **49.8360, 49.8690, 36.7048** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **41.8922, 45.3452, 69.4955**, and the grayscale version is **47.8013, 50.2907, 54.7665**.

A 20% lighter version of the original color is **82.9551, 86.8653, 70.7870**, and **24.1038, 23.8082, 15.6370** is the 20% darker color. If you saturate the color by 10%, you get **46.1145, 44.9715, 27.6167**, and if you desaturate by 10%, it is **54.0447, 55.2391, 47.5021**.

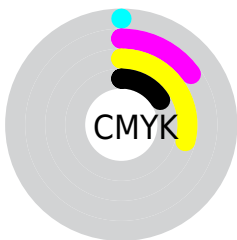
Distribution



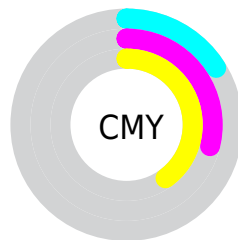
- Red (84%)
- Green (71%)
- Blue (60%)



- Red (84%)
- Yellow (83%)
- Blue (60%)



- Cyan (0%)
- Magenta (15%)
- Yellow (29%)
- Black (16%)





- Cyan (16%)
- Magenta (29%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8360, 49.8690, 36.7048 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 49.8360, 49.8690, 36.7048 by changing the saturation by 10% instead.


 49.8360, 49.8690,
36.7048


 49.8360, 49.8690,
36.7048


376.4869,
386.1534, 347.1608

 35.5004, 35.3093,
24.6850


 89.1251, 89.9808,
71.2998

 24.2169, 23.9012,
15.6257


 114.8093,
116.3016, 94.7121

 15.6202, 15.2604,
9.1082


145.0071,
147.3117, 122.7589

 9.3449, 9.0023,
4.7140

180.0838,
183.3953, 155.8589

 5.0258, 4.7427,
2.0247

220.4047,
224.9369, 194.4305

 2.2973, 2.0971,
0.5704

266.3353,

 0.7933, 0.6630,

272.3208, 238.8924

0.0000

318.2409,
325.9316, 289.6630

0.0000, 0.0000,
0.0000

49.8360, 49.8690,
36.7048

49.8360, 49.8690,
36.7048

46.1145, 44.9715,
27.6167

54.0447, 55.2391,
47.5021

42.8558, 40.5253,
20.1450

58.7561, 61.0885,
60.0884

40.0388, 36.5174,
14.1929

63.9894, 67.4326,
74.5423

37.6389, 32.9313,
9.6516

69.7619, 74.2838,
90.9367

35.6288, 29.7492,
6.3979

75.5208, 81.4266,
106.3443

■ 33.9767, 26.9511,
4.2865

■ 78.7342, 87.8533,
107.4154

■ 32.6357, 24.5109,
3.0943

■ 81.2506, 92.8862,
108.2542

■ 32.4688, 24.2025,
2.9602

Harmonies

Analogous

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



53.1744, 49.8690, 41.6084



49.8360, 49.8690, 36.7048



46.0080, 49.8690, 36.1218

Triad

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



49.8360, 49.8690, 36.7048



40.5339, 49.8690, 58.4224



52.3945, 49.8690, 71.8141

Complementary

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



49.8360, 49.8690, 36.7048



41.8922, 45.3452, 69.4955

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.



48.8177, 49.8690, 77.7341



49.8360, 49.8690, 36.7048



42.0577, 49.8690, 69.3383

Square

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



49.8360, 49.8690, 36.7048



40.7738, 49.8690, 47.7208



45.0427, 49.8690, 76.7716



54.7056, 49.8690, 61.4552

Rectangle

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



49.8360, 49.8690, 36.7048



43.7076, 49.8690, 38.1587



45.0427, 49.8690, 76.7716



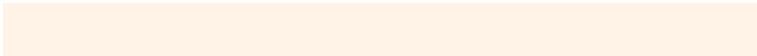
51.2925, 49.8690, 74.4484

Sweetspot

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



49.8373, 49.8713, 36.7058



87.9646, 91.3930, 89.3856



47.2704, 40.0436, 50.3205



18.5960, 19.2765, 18.5040



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.



49.8373, 49.8713, 36.7058



71.6166, 70.6599, 47.0566



56.6476, 63.4920, 38.9759



12.9226, 13.4194, 13.0698



19.9351, 14.9875, 1.8422



1.2851, 1.0695, 0.1387

Inverse Universe

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



41.8922, 45.3452, 69.4955



57.8946, 62.8421, 103.6861



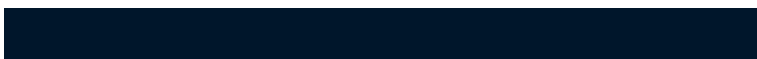
36.3537, 34.2681, 67.6493



12.2590, 13.0414, 15.8086



10.7295, 9.7207, 39.7639



0.7299, 0.7519, 2.4260

Previews

White Background



This preview shows how the XYZ color 49.8360, 49.8690, 36.7048 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 49.8360, 49.8690, 36.7048 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 49.8360, 49.8690, 36.7048

Background



This preview shows how black text looks on a background with the XYZ color 49.8360, 49.8690, 36.7048.



This preview shows how white text looks on a background with the XYZ color 49.8360, 49.8690,

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

49.8360, 49.8690, 36.7048

Protanopia

46.8918, 49.8795, 37.7281

Deuteranopia

50.9022, 49.8149, 36.6382



Tritanopia

53.6317, 49.9137, 55.5228

Trichromacy



Original Color

49.8360, 49.8690, 36.7048

Protanomaly

47.7273, 49.6943, 37.2135

Deuteranomaly

50.5103, 49.9137, 36.6779

Tritanomaly

52.2755, 49.9737, 47.9650

Monochromacy



Original Color

49.8360, 49.8690, 36.7048

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.3227, 50.0833, 47.6776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8360, 49.8690, 36.7048 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(213, 182, 152) looks like.

```
.text, #text, p{  
    color:rgb(213, 182, 152)  
}
```

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(213, 182, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 182, 152) }
```

Border

The CSS property to change the border of an element to XYZ 49.8360, 49.8690, 36.7048 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(213, 182, 152) }
```


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

```
.border{ border-color:rgb(213, 182, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 182, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 182, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 182, 152);  
box-shadow:4px 4px 4px 4px rgb(213, 182,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8360, 49.8690, 36.7048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 182, 152) }
```

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

```
.background{ background-color: rgb(213,  
182, 152) }
```

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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