

Converting Colors

XYZ(50.0516, 56.6332, 34.4888)

Have a look what the booklet for
XYZ(50.0516, 56.6332, 34.4888)
contains.

XYZ(49.9740, 56.5340, 34.6638)	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(49.9740, 56.5340,
34.6638)**

Conversions

Conversions Part 1

Format	Color
Hex	C8CA90
RGB	200, 202, 144
RGB Percent	78%, 79%, 56%
CMY	0.2157, 0.2078, 0.4353
CMYK	0.01, 0.00, 0.29, 0.21
HSL	62°, 35%, 68%
HSV	62°, 29%, 79%
XYZ	49.9740, 56.5340, 34.6638
YIQ	194.7900, 17.4260, -18.4620

Conversions

Conversions Part 2

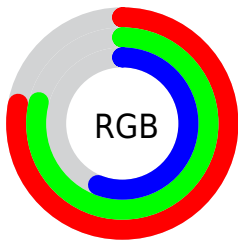
Format	Color
RYB	144, 202, 146
Decimal	13159056
CIELab	79.92, -9.88, 28.81
CIELCh	80, 30.456, 108.923
Yxy	56.5340, 0.3540, 0.4005
Android (android.graphics.Color)	4291349136 (0xFFC8CA90)
YUV	194.7900, -25.0395, 4.5692
Hunter-Lab	75.1891, -12.9419, 25.2984

Details

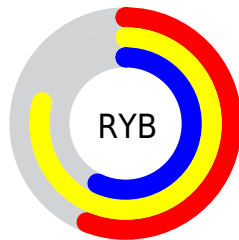
The XYZ color **49.9740, 56.5340, 34.6638** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.4901, 30.3232, 60.0208**, and the grayscale version is **51.8850, 54.5871, 59.4453**.

A 20% lighter version of the original color is **87.1930, 96.8572, 67.5258**, and **24.2427, 27.9899, 14.4808** is the 20% darker color. If you saturate the color by 10%, you get **48.3807, 55.8772, 27.2384**, and if you desaturate by 10%, it is **51.8473, 57.3069, 43.5466**.

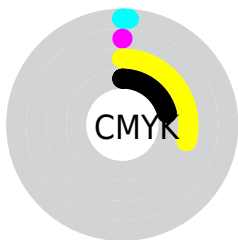
Distribution



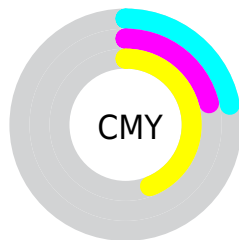
- Red (78%)
- Green (79%)
- Blue (56%)



- Red (56%)
- Yellow (79%)
- Blue (57%)



- Cyan (1%)
- Magenta (0%)
- Yellow (29%)
- Black (21%)



- Cyan (22%)
- Magenta (21%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9740, 56.5340, 34.6638 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 49.9740, 56.5340, 34.6638 by changing the saturation by 10% instead.

■ 49.9740, 56.5340,
34.6638

■ 49.9740, 56.5340,
34.6638

377.0179,
411.7008, 337.9409

■ 35.6105, 40.6312,
23.1225

■ 89.3284, 99.7849,
68.1103

■ 24.3022, 28.0310,
14.4779

■ 115.0500,
127.9018, 90.8525

■ 15.6839, 18.3491,
8.3112

145.2883,
160.8589, 118.1656

■ 9.3902, 11.2009,
4.2041

180.4086,
199.0406, 150.4679

■ 5.0557, 6.2021,
1.7380

220.7764,
242.8312, 188.1781

■ 2.3151, 2.9684,
0.3866

266.7570,

■ 0.8024, 1.1152,

292.6152, 231.7146

0.0000

318.7157,
348.7770, 281.4960

■ 0.0000, 0.0000,
0.0000

■ 49.9740, 56.5340,
34.6638

■ 49.9740, 56.5340,
34.6638

■ 48.3807, 55.8772,
27.2384

■ 51.8473, 57.3069,
43.5466

■ 47.0485, 55.3229,
21.1893

■ 54.0100, 58.1936,
53.9550

■ 45.9625, 54.8672,
16.4328


■ 56.4762, 59.2019,
65.9575

■ 45.1049, 54.5030,
12.8748


■ 59.2579, 60.3365,
79.6169


■ 44.4555, 54.2221,
10.4083


■ 62.3664, 61.6019,
94.9931


 43.9903, 54.0150,
8.9075


 64.1255, 62.3276,
103.2584

 43.6709, 53.8663,
8.1702

 64.3175, 62.4266,
103.2674

 43.6335, 53.8487,
8.0941

 64.5104, 62.5260,
103.2764

 64.7042, 62.6259,
103.2855

Harmonies

Analogous

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



56.0478, 56.5340, 33.8488



49.9740, 56.5340, 34.6638



45.2700, 56.5340, 41.8045

Triad

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



49.9740, 56.5340, 34.6638



46.3027, 56.5340, 90.9172



66.2505, 56.5340, 68.3237

Complementary

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



49.9740, 56.5340, 34.6638



32.4901, 30.3232, 60.0208

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.



63.1920, 56.5340, 86.7155



49.9740, 56.5340, 34.6638



51.4846, 56.5340, 101.3273

Square

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



49.9740, 56.5340, 34.6638



43.2652, 56.5340, 73.2572



57.6778, 56.5340, 99.6572



65.7681, 56.5340, 51.1722

Rectangle

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



49.9740, 56.5340, 34.6638



43.3974, 56.5340, 50.1177



57.6778, 56.5340, 99.6572



65.5936, 56.5340, 74.6141

Sweetspot

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



49.9754, 56.5365, 34.6650



91.2814, 98.4589, 90.5746



39.6616, 35.1088, 31.0726



19.4162, 21.0244, 18.7981



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.



49.9754, 56.5365, 34.6650



83.0020, 95.0545, 51.1652



42.9658, 52.9229, 34.3369



12.1140, 13.0762, 11.9649



28.0923, 34.6574, 5.2089



1.4615, 1.7943, 0.2693

Inverse Universe

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



32.4901, 30.3232, 60.0208



48.9673, 44.0274, 100.5250



38.2999, 33.3183, 60.2927



10.6370, 10.8622, 14.1063



6.9317, 2.7810, 36.1277



0.3704, 0.1501, 1.8644

Previews

White Background



This preview shows how the XYZ color 49.9740, 56.5340, 34.6638 looks on a white background.

Color Contrast Check

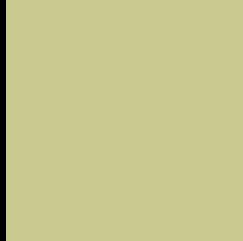
Large Text (above 18pt) WCAG AA × Fail

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 49.9740, 56.5340, 34.6638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

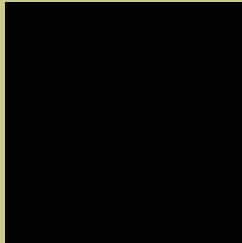
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

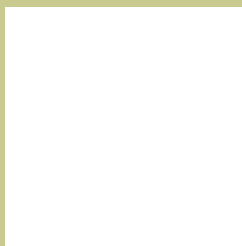
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9740, 56.5340, 34.6638

Background



This preview shows how black text looks on a background with the XYZ color 49.9740, 56.5340, 34.6638.



This preview shows how white text looks on a background with the XYZ color 49.9740, 56.5340,

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

49.9740, 56.5340, 34.6638

Protanopia

52.5171, 56.4873, 33.7264

Deuteranopia

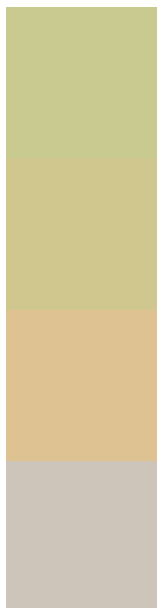
57.6116, 56.4259, 35.4586



Tritanopia

56.8128, 56.5969, 68.2515

Trichromacy



Original Color

49.9740, 56.5340, 34.6638

Protanomaly

51.3938, 56.2399, 34.1332

Deuteranomaly

54.6043, 56.1885, 35.1616

Tritanomaly

53.9000, 56.4144, 53.9472

Monochromacy



Original Color

49.9740, 56.5340, 34.6638

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.0565, 55.3931, 49.0753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9740, 56.5340, 34.6638 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(200, 202, 144)` looks like.

```
.text, #text, p{  
    color:rgb(200, 202, 144)  
}
```

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(200, 202, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 202, 144) }
```

Border

The CSS property to change the border of an element to XYZ 49.9740, 56.5340, 34.6638 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(200, 202, 144) }
```


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

```
.border{ border-color:rgb(200, 202, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 202, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 202, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 202, 144);  
box-shadow:4px 4px 4px 4px rgb(200, 202,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9740, 56.5340, 34.6638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 202, 144) }
```

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

```
.background{ background-color: rgb(200,  
202, 144) }
```

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