

Converting Colors

XYZ(49.9590, 54.7819, 39.7716)

Have a look what the booklet for
XYZ(49.9590, 54.7819, 39.7716)
contains.

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Color

**XYZ(49.8715, 54.6462,
39.8175)**

Conversions

Conversions Part 1

Format	Color
Hex	C8C59D
RGB	200, 197, 157
RGB Percent	78%, 77%, 62%
CMY	0.2157, 0.2274, 0.3843
CMYK	0.00, 0.01, 0.21, 0.22
HSL	56°, 28%, 70%
HSV	56°, 21%, 78%
XYZ	49.8715, 54.6462, 39.8175
YIQ	193.3370, 14.6280, -11.8040

Conversions

Conversions Part 2

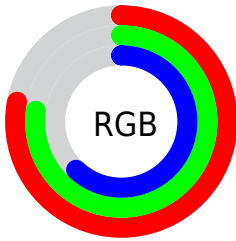
Format	Color
R _{YB}	160, 200, 157
Decimal	13157789
CIE Lab	78.84, -5.50, 20.49
CIE LCh	79, 21.216, 105.023
Yxy	54.6462, 0.3455, 0.3786
Android (android.graphics.Color)	4291347869 (0xFFC8C59D)
YUV	193.3370, -17.9141, 5.8435
Hunter-Lab	73.9231, -8.9420, 19.8105

Details

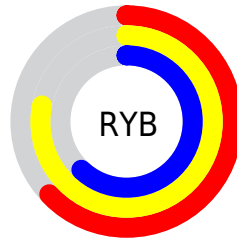
The XYZ color **49.8715, 54.6462, 39.8175** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.9006, 36.4790, 59.7402**, and the grayscale version is **50.9842, 53.6394, 58.4133**.

A 20% lighter version of the original color is **88.5655, 96.8971, 76.3225**, and **24.2263, 26.7758, 17.2560** is the 20% darker color. If you saturate the color by 10%, you get **47.9875, 53.3906, 31.4437**, and if you desaturate by 10%, it is **52.0408, 56.0244, 49.6668**.

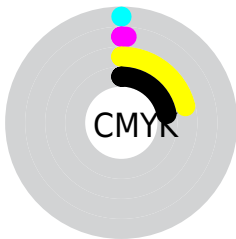
Distribution



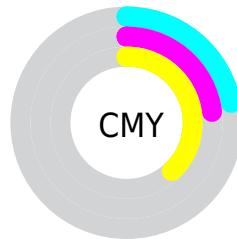
- Red (78%)
- Green (77%)
- Blue (62%)



- Red (63%)
- Yellow (78%)
- Blue (62%)



- Cyan (0%)
- Magenta (1%)
- Yellow (21%)
- Black (22%)





- Cyan (22%)
- Magenta (23%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8715, 54.6462, 39.8175 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 49.8715, 54.6462, 39.8175 by changing the saturation by 10% instead.


 49.8715, 54.6462,
39.8175


 49.8715, 54.6462,
39.8175


376.6235,
404.5694, 360.8830

 35.5287, 39.1185,
27.0836


 89.1774, 97.0224,
76.1196

 24.2388, 26.8519,
17.4030


 114.8712,
124.6397, 100.5248

 15.6366, 17.4621,
10.3573


145.0794,
157.0557, 129.6576

 9.3566, 10.5645,
5.5278

180.1674,
194.6547, 163.9364

 5.0334, 5.7748,
2.4960

220.5004,
237.8212, 203.7798

 2.3019, 2.7086,
0.8381

266.4438,

 0.7956, 0.9816,

286.9396, 249.6063

0.0000

318.3631,
342.3942, 301.8345

■ 0.0000, 0.0000,
0.0000

■ 49.8715, 54.6462,
39.8175

■ 49.8715, 54.6462,
39.8175

■ 47.9875, 53.3906,
31.4437

■ 52.0408, 56.0244,
49.6668

■ 46.3710, 52.2447,
24.4703

■ 54.5039, 57.5229,
61.0547

■ 45.0087, 51.2052,
18.8210

■ 57.2740, 59.1489,
74.0451

■ 43.8843, 50.2655,
14.4107

■ 60.3624, 60.9069,
88.6969

■ 42.9799, 49.4185,
11.1445

■ 63.4557, 62.6717,
103.3601

■ 42.2749, 48.6558,
8.9137

■ 63.7883, 63.3369,
103.4710

■ 41.7446, 47.9676,
7.5889

■ 64.1239, 64.0080,
103.5828

■ 41.3927, 47.4257,
6.9725

■ 64.4624, 64.6851,
103.6957

■ 64.8039, 65.3682,
103.8095

Harmonies

Analogous

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



54.0577, 54.6462, 39.8139



49.8715, 54.6462, 39.8175



46.4264, 54.6462, 44.5853

Triad

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



49.8715, 54.6462, 39.8175



46.4306, 54.6462, 77.4336



60.1501, 54.6462, 65.6890

Complementary

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



49.8715, 54.6462, 39.8175



36.9006, 36.4790, 59.7402

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.



57.8728, 54.6462, 77.4182



49.8715, 54.6462, 39.8175



49.8775, 54.6462, 84.7957

Square

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



49.8715, 54.6462, 39.8175



44.5139, 54.6462, 65.7078



54.0640, 54.6462, 84.7897



60.1482, 54.6462, 53.6968

Rectangle

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



49.8715, 54.6462, 39.8175



44.9484, 54.6462, 50.2467



54.0640, 54.6462, 84.7897



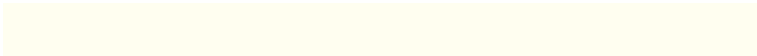
59.6205, 54.6462, 69.8258

Sweetspot

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



49.8729, 54.6486, 39.8187



92.3445, 98.3753, 96.3259



42.2733, 38.9525, 38.8171



19.7050, 21.0195, 20.3379



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.



49.8729, 54.6486, 39.8187



84.6970, 93.5295, 61.5625



46.0517, 53.6986, 39.8367



11.4582, 12.2856, 11.3302



26.3460, 30.2092, 4.4424



1.2669, 1.4693, 0.2168

Inverse Universe

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



36.9006, 36.4790, 59.7402



58.1024, 56.2815, 102.4088



40.1434, 37.3891, 59.7450



10.1150, 10.4041, 13.3926



6.7528, 2.8994, 34.9481



0.3409, 0.1795, 1.6618

Previews

White Background



This preview shows how the XYZ color 49.8715, 54.6462, 39.8175 looks on a white background.

Color Contrast Check

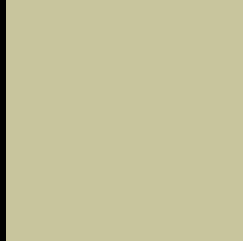
Large Text (above 18pt) WCAG AA × Fail

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 49.8715, 54.6462, 39.8175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

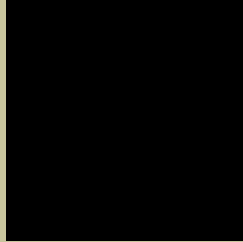
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

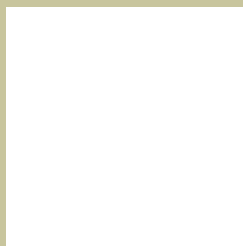
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8715, 54.6462, 39.8175

Background



This preview shows how black text looks on a background with the XYZ color 49.8715, 54.6462, 39.8175.



This preview shows how white text looks on a background with the XYZ color 49.8715, 54.6462,

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

49.8715, 54.6462, 39.8175

Protanopia

51.2480, 54.6959, 39.3088

Deuteranopia

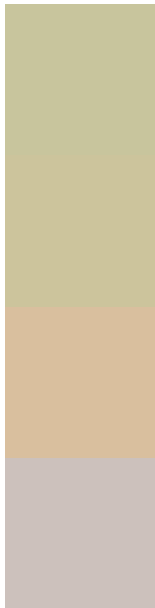
55.3924, 54.2126, 40.3455



Tritanopia

54.8865, 54.3565, 65.3566

Trichromacy



Original Color

49.8715, 54.6462, 39.8175

Protanomaly

50.6425, 54.7175, 39.3449

Deuteranomaly

53.4176, 54.4819, 40.0484

Tritanomaly

53.0489, 54.6081, 55.3214

Monochromacy



Original Color

49.8715, 54.6462, 39.8175

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.2950, 53.6146, 50.8778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8715, 54.6462, 39.8175 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, 197, 157)` looks like.

```
.text, #text, p{  
    color:rgb(200, 197, 157)  
}
```

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, 197, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 197, 157) }
```

Border

The CSS property to change the border of an element to XYZ 49.8715, 54.6462, 39.8175 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, 197, 157) }
```


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

```
.border{ border-color:rgb(200, 197, 157) }
```

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

Here you see how a box with a 4 pixel rgb(200, 197, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 197, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 197, 157);  
box-shadow:4px 4px 4px 4px rgb(200, 197,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8715, 54.6462, 39.8175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 197, 157) }
```

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

```
.background{ background-color: rgb(200,  
197, 157) }
```

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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