

Converting Colors

XYZ(49.4579, 53.0171, 36.3046)

Have a look what the booklet for
XYZ(49.4579, 53.0171, 36.3046)
contains.

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Color

**XYZ(49.4768, 53.1793,
36.5111)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC196
RGB	204, 193, 150
RGB Percent	80%, 76%, 59%
CMY	0.2000, 0.2431, 0.4118
CMYK	0.00, 0.05, 0.26, 0.20
HSL	48°, 35%, 69%
HSV	48°, 26%, 80%
XYZ	49.4768, 53.1793, 36.5111
YIQ	191.3870, 20.3590, -11.0410

Conversions

Conversions Part 2

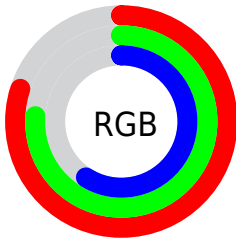
Format	Color
RYB	164, 204, 150
Decimal	13418902
CIELab	77.98, -2.87, 23.09
CIELCh	78, 23.266, 97.098
Yxy	53.1793, 0.3555, 0.3821
Android (android.graphics.Color)	4291608982 (0xFFCCC196)
YUV	191.3870, -20.4038, 11.0616
Hunter-Lab	72.9241, -6.5104, 21.3620

Details

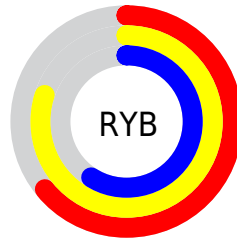
The XYZ color **49.4768, 53.1793, 36.5111** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.2214, 36.3324, 62.2307**, and the grayscale version is **49.8536, 52.4499, 57.1179**.

A 20% lighter version of the original color is **86.0148, 93.3710, 70.6157**, and **24.0246, 26.0466, 15.5656** is the 20% darker color. If you saturate the color by 10%, you get **47.0701, 50.7697, 28.2979**, and if you desaturate by 10%, it is **52.1980, 55.7597, 46.2413**.

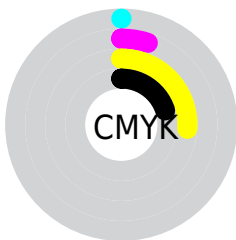
Distribution



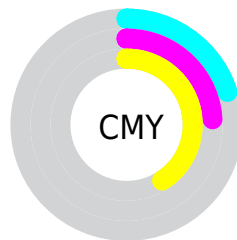
- Red (80%)
- Green (76%)
- Blue (59%)



- Red (64%)
- Yellow (80%)
- Blue (59%)



- Cyan (0%)
- Magenta (5%)
- Yellow (26%)
- Black (20%)





- Cyan (20%)
- Magenta (24%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4768, 53.1793, 36.5111 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 49.4768, 53.1793, 36.5111 by changing the saturation by 10% instead.


 49.4768, 53.1793,
36.5111


 49.4768, 53.1793,
36.5111


375.1023,
398.9726, 346.2937

 35.2140, 37.9459,
24.5364


 88.5957, 94.8682,
70.9981

 23.9950, 25.9407,
15.5161


 114.1824,
122.0924, 94.3475

 15.4546, 16.7793,
9.0318


144.2745,
154.0824, 122.3255

 9.2275, 10.0773,
4.6648

179.2372,
191.2226, 155.3506

 4.9481, 5.4502,
1.9967

219.4360,
233.8973, 193.8415

 2.2513, 2.5138,
0.5532

265.2362,

 0.7696, 0.8835,

282.4910, 238.2166

0.0000

317.0032,
337.3879, 288.8945

■ 0.0000, 0.0000,
0.0000

■ 49.4768, 53.1793,
36.5111

■ 49.4768, 53.1793,
36.5111

■ 47.0701, 50.7697,
28.2979

■ 52.1980, 55.7597,
46.2413

■ 44.9589, 48.5174,
21.5202

■ 55.2437, 58.5095,
57.5577

■ 43.1280, 46.4179,
16.0940

■ 58.6282, 61.4369,
70.5292

■ 41.5595, 44.4635,
11.9252

■ 62.3638, 64.5469,
85.2196

■ 40.2330, 42.6459,
8.9075

■ 66.4623, 67.8447,
101.6894

■ 39.1246, 40.9551,
6.9168

■ 68.0046, 70.1628,
104.5663

■ 38.2041, 39.3786,
5.7941

■ 69.0949, 72.3434,
104.9297

■ 37.9038, 38.8413,
5.4994

■ 70.2123, 74.5783,
105.3022

■ 71.3572, 76.8679,
105.6838

Harmonies

Analogous

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



54.0109, 53.1793, 37.8320



49.4768, 53.1793, 36.5111



45.4720, 53.1793, 40.2004

Triad

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



49.4768, 53.1793, 36.5111



43.9122, 53.1793, 74.2886



58.9999, 53.1793, 68.1623

Complementary

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



49.4768, 53.1793, 36.5111



36.2214, 36.3324, 62.2307

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.



55.9826, 53.1793, 80.1629



49.4768, 53.1793, 36.5111



47.2313, 53.1793, 84.0526

Square

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



49.4768, 53.1793, 36.5111



42.3861, 53.1793, 61.0402



51.6291, 53.1793, 86.3488



59.6897, 53.1793, 54.8756

Rectangle

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



49.4768, 53.1793, 36.5111



43.5800, 53.1793, 45.3836



51.6291, 53.1793, 86.3488



58.2159, 53.1793, 72.5364

Sweetspot

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



49.4782, 53.1817, 36.5122



90.6268, 96.1334, 92.0737



42.3036, 37.2487, 39.0035



19.2287, 20.4255, 19.0734



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.



49.4782, 53.1817, 36.5122



79.5083, 85.6661, 52.0831



48.0101, 56.1685, 37.1661



11.9523, 12.6936, 11.8996



23.9249, 24.5827, 3.4840



1.2846, 1.3689, 0.1965

Inverse Universe

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



36.2214, 36.3324, 62.2307



53.7889, 52.9834, 101.9996



37.3855, 34.2046, 61.7586



10.7837, 11.2079, 14.1653



7.4249, 3.8738, 36.3127



0.4384, 0.3106, 1.8918

Previews

White Background



This preview shows how the XYZ color 49.4768, 53.1793, 36.5111 looks on a white background.

Color Contrast Check

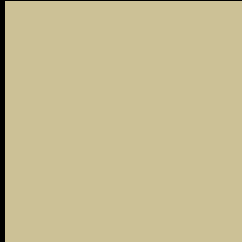
Large Text (above 18pt) WCAG AA × Fail

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 49.4768, 53.1793, 36.5111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

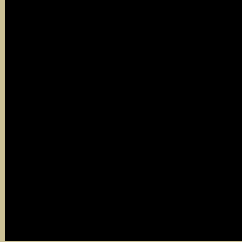
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4768, 53.1793, 36.5111

Background



This preview shows how black text looks on a background with the XYZ color 49.4768, 53.1793, 36.5111.



This preview shows how white text looks on a background with the XYZ color 49.4768, 53.1793,

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

49.4768, 53.1793, 36.5111

Protanopia

49.8083, 53.0231, 36.4635

Deuteranopia

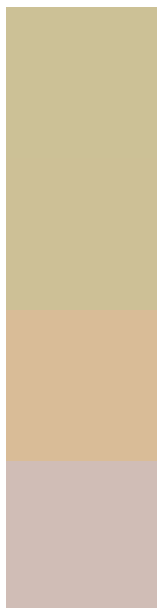
54.0678, 52.9725, 37.0808



Tritanopia

54.6799, 53.0365, 62.6135

Trichromacy



Original Color

49.4768, 53.1793, 36.5111

Protanomaly

49.5315, 52.8804, 36.4505

Deuteranomaly

52.1844, 52.9525, 36.7486

Tritanomaly

52.6535, 53.1825, 51.7461

Monochromacy



Original Color

49.4768, 53.1793, 36.5111

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.4511, 52.5696, 48.6149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4768, 53.1793, 36.5111 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(204, 193, 150)` looks like.

```
.text, #text, p{  
    color:rgb(204, 193, 150)  
}
```

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(204, 193, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 193, 150) }
```

Border

The CSS property to change the border of an element to XYZ 49.4768, 53.1793, 36.5111 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(204, 193, 150) }
```


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

```
.border{ border-color:rgb(204, 193, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 193, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 193, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 193, 150);  
box-shadow:4px 4px 4px 4px rgb(204, 193,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4768, 53.1793, 36.5111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 193, 150) }
```

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

```
.background{ background-color: rgb(204,  
193, 150) }
```

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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