

Converting Colors

XYZ(49.9545, 51.6183, 47.5754)

Have a look what the booklet for
XYZ(49.9545, 51.6183, 47.5754)
contains.

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Color

**XYZ(49.9803, 51.5790,
47.3659)**

Conversions

Conversions Part 1

Format	Color
Hex	CABCAE
RGB	202, 188, 174
RGB Percent	79%, 74%, 68%
CMY	0.2078, 0.2627, 0.3176
CMYK	0.00, 0.07, 0.14, 0.21
HSL	30°, 21%, 74%
HSV	30°, 14%, 79%
XYZ	49.9803, 51.5790, 47.3659
YIQ	190.5900, 12.8380, -1.3860

Conversions

Conversions Part 2

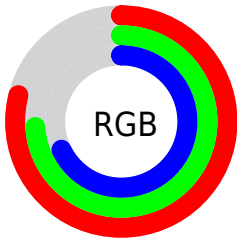
Format	Color
R _{YB}	202, 202, 174
Decimal	13286574
CIE Lab	77.03, 2.59, 8.85
CIE LCh	77, 9.223, 73.693
Yxy	51.5790, 0.3356, 0.3463
Android (android.graphics.Color)	4291476654 (0xFFCABCAE)
YUV	190.5900, -8.1789, 10.0066
Hunter-Lab	71.8185, -1.4598, 11.1699

Details

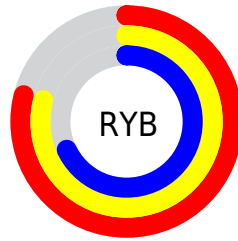
The XYZ color **49.9803, 51.5790, 47.3659** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.0992, 49.2283, 62.9498**, and the grayscale version is **49.3257, 51.8945, 56.5131**.

A 20% lighter version of the original color is **87.7335, 91.6185, 87.1888**, and **24.3896, 25.0290, 21.9580** is the 20% darker color. If you saturate the color by 10%, you get **46.0756, 46.6873, 37.0683**, and if you desaturate by 10%, it is **54.3350, 56.8956, 59.2759**.

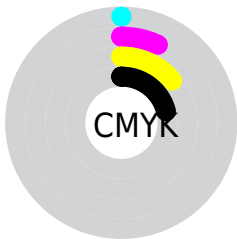
Distribution



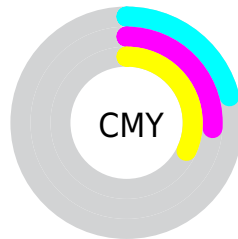
- Red (79%)
- Green (74%)
- Blue (68%)



- Red (79%)
- Yellow (79%)
- Blue (68%)



- Cyan (0%)
- Magenta (7%)
- Yellow (14%)
- Black (21%)





- Cyan (21%)
- Magenta (26%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9803, 51.5790, 47.3659 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 49.9803, 51.5790, 47.3659 by changing the saturation by 10% instead.


 49.9803, 51.5790,
47.3659

 49.9803, 51.5790,
47.3659


377.0422,
392.8092, 392.7091

 35.6155, 36.6696,
32.9686


 89.3377, 92.5101,
87.6152

 24.3061, 24.9518,
21.8315

115.0610,
119.3005, 114.3043

 15.6868, 16.0411,
13.5360


145.3011,
150.8201, 145.9278

 9.3922, 9.5533,
7.6636

180.4234,
187.4533, 182.9041

 5.0570, 5.1038,
3.7958

220.7934,
229.5844, 225.6519

 2.3159, 2.3083,
1.5140

266.7762,

 0.8028, 0.7781,

277.5978, 274.5896

0.2283

318.7374,
331.8779, 330.1358

■ 0.0000, 0.0000,
0.0000

■ 49.9803, 51.5790,
47.3659

■ 49.9803, 51.5790,
47.3659

■ 46.0756, 46.6873,
37.0683

■ 54.3350, 56.8956,
59.2759

■ 42.6003, 42.2022,
28.3093

■ 59.1507, 62.6412,
72.8609

■ 39.5386, 38.1141,
21.0143

■ 64.4435, 68.8285,
88.1845

■ 36.8718, 34.4102,
15.1012

■ 70.2272, 75.4675,
105.3058

■ 34.5796, 31.0770,
10.4795

■ 73.1249, 81.2118,
106.4291

■ 32.6393, 28.0999,
7.0478

■ 76.1557, 87.2735,
107.4394

■ 31.0255, 25.4627,
4.6893

■ 78.1673, 91.2966,
108.1099

■ 29.7076, 23.1472,
3.2629

■ 29.0138, 21.8697,
2.6921

Harmonies

Analogous

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



51.5112, 51.5790, 49.7304



49.9803, 51.5790, 47.3659



48.2278, 51.5790, 47.2639

Triad

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



49.9803, 51.5790, 47.3659



45.8104, 51.5790, 58.4856



51.3985, 51.5790, 63.4612

Complementary

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



49.9803, 51.5790, 47.3659



46.0992, 49.2283, 62.9498

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.



49.8295, 51.5790, 66.1095



49.9803, 51.5790, 47.3659



46.6187, 51.5790, 63.1228

Square

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



49.9803, 51.5790, 47.3659



45.8486, 51.5790, 53.4841



48.0806, 51.5790, 65.9820



52.3433, 51.5790, 58.9252

Rectangle

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



49.9803, 51.5790, 47.3659



47.1715, 51.5790, 48.4794



48.0806, 51.5790, 65.9820



50.9250, 51.5790, 64.6135

Sweetspot

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



49.9817, 51.5813, 47.3670



91.8459, 96.1504, 99.9443



48.5708, 46.4602, 53.9853



19.5329, 20.4280, 21.0429



0.0000, 0.0000, 0.0000



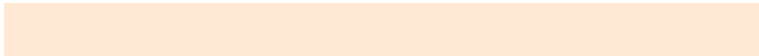
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.9817, 51.5813, 47.3670



82.3123, 84.4614, 74.0205



53.1181, 57.8540, 48.4125



11.6681, 12.1252, 11.8049



18.7590, 14.2510, 1.7620



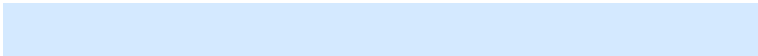
1.0437, 0.8870, 0.1162

Inverse Universe

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



46.0992, 49.2283, 62.9498



74.3298, 79.6236, 106.0590



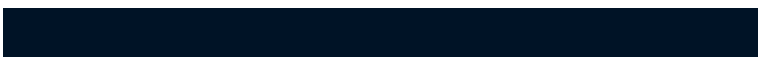
43.2530, 43.5358, 62.0011



11.0573, 11.7550, 14.2565



9.9419, 8.9078, 37.1516



0.5888, 0.6114, 1.9419

Previews

White Background



This preview shows how the XYZ color 49.9803, 51.5790, 47.3659 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 49.9803, 51.5790, 47.3659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

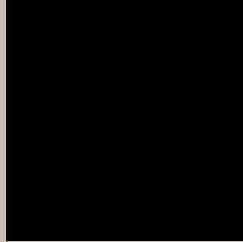
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9803, 51.5790, 47.3659

Background



This preview shows how black text looks on a background with the XYZ color 49.9803, 51.5790, 47.3659.



This preview shows how white text looks on a background with the XYZ color 49.9803, 51.5790,

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

49.9803, 51.5790, 47.3659

Protanopia

49.1773, 51.7924, 47.9624

Deuteranopia

52.6099, 51.6723, 47.7583



Tritanopia

52.6261, 51.3836, 61.1772

Trichromacy



Original Color

49.9803, 51.5790, 47.3659

Protanomaly

49.4886, 51.6325, 47.9152

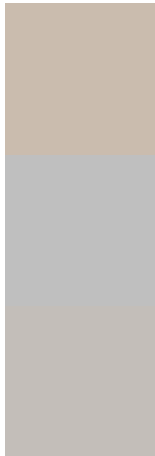
Deuteranomaly

51.6652, 51.4947, 47.7739

Tritanomaly

51.5451, 51.2530, 55.8913

Monochromacy



Original Color

49.9803, 51.5790, 47.3659

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.6761, 51.9318, 53.3046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9803, 51.5790, 47.3659 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(202, 188, 174) looks like.

```
.text, #text, p{  
    color:rgb(202, 188, 174)  
}
```

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(202, 188, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 188, 174) }
```

Border

The CSS property to change the border of an element to XYZ 49.9803, 51.5790, 47.3659 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(202, 188, 174) }
```


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

```
.border{ border-color:rgb(202, 188, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 188, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 188, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 188, 174);  
box-shadow:4px 4px 4px 4px rgb(202, 188,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9803, 51.5790, 47.3659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 188, 174) }
```

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

```
.background{ background-color: rgb(202,  
188, 174) }
```

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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