

Converting Colors

XYZ(49.9559, 53.8514, 45.5242)

Have a look what the booklet for
XYZ(49.9559, 53.8514, 45.5242)
contains.

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Color

**XYZ(49.9652, 53.9006,
45.3065)**

Conversions

Conversions Part 1

Format	Color
Hex	C6C3A9
RGB	198, 195, 169
RGB Percent	78%, 76%, 66%
CMY	0.2235, 0.2353, 0.3372
CMYK	0.00, 0.02, 0.15, 0.22
HSL	54°, 20%, 72%
HSV	54°, 15%, 78%
XYZ	49.9652, 53.9006, 45.3065
YIQ	192.9330, 10.1340, -7.4500

Conversions

Conversions Part 2

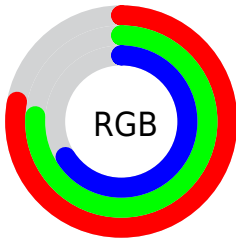
Format	Color
RYB	172, 198, 169
Decimal	13026217
CIELab	78.40, -3.38, 13.45
CIELCh	78, 13.870, 104.100
Yxy	53.9006, 0.3349, 0.3613
Android (android.graphics.Color)	4291216297 (0xFFC6C3A9)
YUV	192.9330, -11.7990, 4.4438
Hunter-Lab	73.4170, -6.9986, 14.8034

Details

The XYZ color **49.9652, 53.9006, 45.3065** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.3075, 42.0162, 59.3591**, and the grayscale version is **50.7134, 53.3544, 58.1030**.

A 20% lighter version of the original color is **89.5049, 96.2626, 84.3841**, and **24.2374, 26.2634, 20.6215** is the 20% darker color. If you saturate the color by 10%, you get **47.7909, 52.3045, 36.0951**, and if you desaturate by 10%, it is **52.4303, 55.6267, 56.0049**.

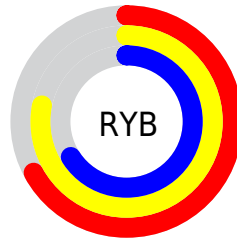
Distribution



Red (78%)

Green (76%)

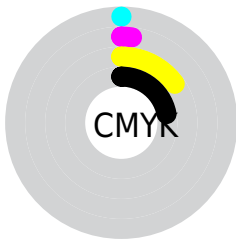
Blue (66%)



Red (67%)

Yellow (78%)

Blue (66%)

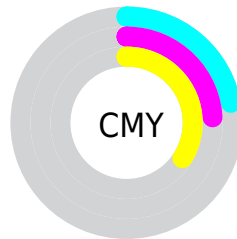


Cyan (0%)

Magenta (2%)

Yellow (15%)

Black (22%)



Cyan (22%)


Magenta (24%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9652, 53.9006, 45.3065 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 49.9652, 53.9006, 45.3065 by changing the saturation by 10% instead.

 49.9652, 53.9006,
45.3065

 49.9652, 53.9006,
45.3065


376.9841,
401.7309, 384.2097

 35.6034, 38.5222,
31.3542


 89.3154, 95.9283,
84.5035

 24.2968, 26.3882,
20.6080


115.0346,
123.3464, 110.5852

 15.6798, 17.1143,
12.6493


145.2703,
155.5464, 141.5472

 9.3873, 10.3160,
7.0596

180.3879,
192.9129, 177.8080

 5.0538, 5.6090,
3.4204

220.7527,
235.8302, 219.7861

 2.3139, 2.6088,
1.3131

266.7301,

 0.8018, 0.9311,

284.6827, 267.9001

0.0725

318.6854,
339.8548, 322.5684

■ 0.0000, 0.0000,
0.0000

■ 49.9652, 53.9006,
45.3065

■ 49.9652, 53.9006,
45.3065

■ 47.7909, 52.3045,
36.0951

■ 52.4303, 55.6267,
56.0049

■ 45.8903, 50.8260,
28.3008

■ 55.1935, 57.4803,
68.2491

■ 44.2512, 49.4622,
21.8532

■ 58.2676, 59.4684,
82.0990

■ 42.8590, 48.2070,
16.6746

■ 61.6632, 61.5952,
97.6101

■ 41.6972, 47.0538,
12.6792

■ 63.2254, 62.9989,
103.4354

■ 40.7477, 45.9954,
9.7708

■ 63.7185, 63.9852,
103.5998

■ 39.9891, 45.0232,
7.8380

■ 64.2181, 64.9844,
103.7663

■ 39.3958, 44.1269,
6.7456

■ 64.7241, 65.9964,
103.9350

■ 39.1197, 43.6676,
6.3669

■ 65.2366, 67.0214,
104.1058

Harmonies

Analogous

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



52.6796, 53.9006, 45.4092



49.9652, 53.9006, 45.3065



47.6709, 53.9006, 48.5600

Triad

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



49.9652, 53.9006, 45.3065



47.5601, 53.9006, 69.7613



56.4363, 53.9006, 62.8957

Complementary

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



49.9652, 53.9006, 45.3065



41.3075, 42.0162, 59.3591

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.



54.9639, 53.9006, 70.1359



49.9652, 53.9006, 45.3065



49.8090, 53.9006, 74.3332

Square

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



49.9652, 53.9006, 45.3065



46.3160, 53.9006, 62.4201



52.5178, 53.9006, 74.4760



56.4817, 53.9006, 55.1088

Rectangle

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



49.9652, 53.9006, 45.3065



46.6613, 53.9006, 52.3759



52.5178, 53.9006, 74.4760



56.0895, 53.9006, 65.4892

Sweetspot

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



49.9666, 53.9030, 45.3077



93.1157, 98.6900, 100.3676



44.9605, 43.3757, 45.2264



19.8548, 21.0719, 21.1502



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.



49.9666, 53.9030, 45.3077



87.0272, 94.4008, 74.0209



47.8209, 53.8032, 45.4015



11.4267, 12.2225, 11.3197



25.4772, 28.4715, 4.1528



1.2340, 1.4034, 0.2058

Inverse Universe

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



41.3075, 42.0162, 59.3591



68.3791, 68.8025, 104.2840



43.2312, 42.1712, 59.2876



10.1434, 10.4608, 13.4020



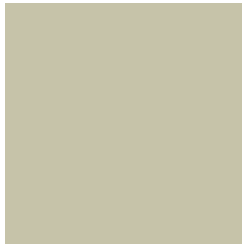
6.8270, 3.0480, 34.9729



0.3539, 0.2056, 1.6662

Previews

White Background



This preview shows how the XYZ color 49.9652, 53.9006, 45.3065 looks on a white background.

Color Contrast Check

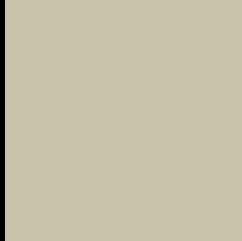
Large Text (above 18pt) WCAG AA × Fail

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 49.9652, 53.9006, 45.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

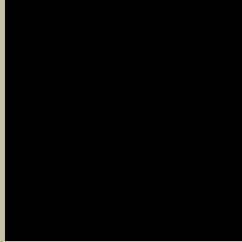
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

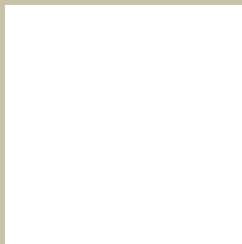
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9652, 53.9006, 45.3065

Background



This preview shows how black text looks on a background with the XYZ color 49.9652, 53.9006, 45.3065.



This preview shows how white text looks on a background with the XYZ color 49.9652, 53.9006,

45.3065.

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

49.9652, 53.9006, 45.3065

Protanopia

50.7664, 53.6636, 44.7282

Deuteranopia

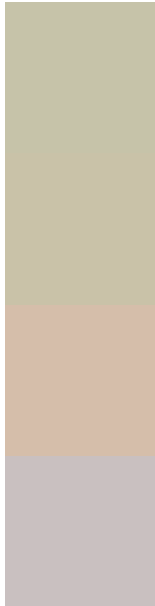
54.9398, 53.8531, 46.0271



Tritanopia

54.0615, 53.9312, 65.3180

Trichromacy



Original Color

49.9652, 53.9006, 45.3065

Protanomaly

50.4471, 53.8282, 44.7768

Deuteranomaly

53.1097, 53.8753, 45.6300

Tritanomaly

52.4515, 53.9226, 57.5128

Monochromacy



Original Color

49.9652, 53.9006, 45.3065

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.4492, 53.6464, 53.0432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9652, 53.9006, 45.3065 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(198, 195, 169)` looks like.

```
.text, #text, p{  
    color:rgb(198, 195, 169)  
}
```

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(198, 195, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 195, 169) }
```

Border

The CSS property to change the border of an element to XYZ 49.9652, 53.9006, 45.3065 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(198, 195, 169) }
```


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

```
.border{ border-color:rgb(198, 195, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 195, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 195, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 195, 169);  
box-shadow:4px 4px 4px 4px rgb(198, 195,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9652, 53.9006, 45.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 195, 169) }
```

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

```
.background{ background-color: rgb(198,  
195, 169) }
```

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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