

Converting Colors

XYZ(48.8625, 53.1138, 32.7216)

Have a look what the booklet for
XYZ(48.8625, 53.1138, 32.7216)
contains.

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Color

**XYZ(49.0013, 53.3440,
32.9131)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC28D
RGB	204, 194, 141
RGB Percent	80%, 76%, 55%
CMY	0.2000, 0.2392, 0.4471
CMYK	0.00, 0.05, 0.31, 0.20
HSL	50°, 38%, 68%
HSV	50°, 31%, 80%
XYZ	49.0013, 53.3440, 32.9131
YIQ	190.9480, 22.9730, -14.3630

Conversions

Conversions Part 2

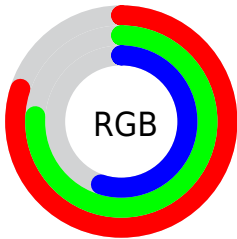
Format	Color
RYB	153, 204, 141
Decimal	13419149
CIELab	78.08, -4.59, 27.98
CIELCh	78, 28.351, 99.307
Yxy	53.3440, 0.3623, 0.3944
Android (android.graphics.Color)	4291609229 (0xFFCCC28D)
YUV	190.9480, -24.6244, 11.4466
Hunter-Lab	73.0370, -8.0571, 24.4077

Details

The XYZ color **49.0013, 53.3440, 32.9131** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.9500, 32.1547, 61.5966**, and the grayscale version is **49.6212, 52.2053, 56.8516**.

A 20% lighter version of the original color is **85.2759, 93.5713, 65.1963**, and **23.7648, 26.1775, 13.4731** is the 20% darker color. If you saturate the color by 10%, you get **46.9091, 51.3689, 25.4042**, and if you desaturate by 10%, it is **51.3916, 55.4672, 41.9019**.

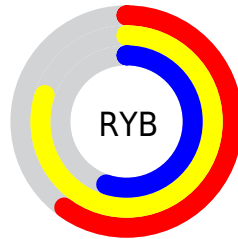
Distribution



Red (80%)

Green (76%)

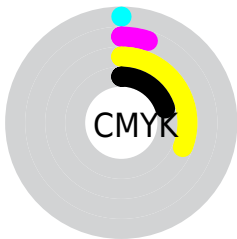
Blue (55%)



Red (60%)

Yellow (80%)

Blue (55%)

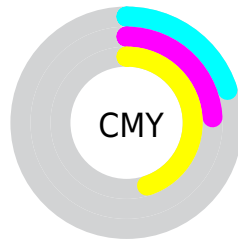


Cyan (0%)

Magenta (5%)

Yellow (31%)

Black (20%)



Cyan (20%)

Magenta (24%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0013, 53.3440, 32.9131 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 49.0013, 53.3440, 32.9131 by changing the saturation by 10% instead.

■ 49.0013, 53.3440,
32.9131

■ 49.0013, 53.3440,
32.9131

373.2643,
399.6035, 329.8780

■ 34.8351, 38.0775,
21.7893

■ 87.8941, 95.1104,
65.3543

■ 23.7018, 26.0428,
13.5053

■ 113.3514,
122.3790, 87.5088

■ 15.2361, 16.8557,
7.6426

■ 143.3030,
154.4171, 114.1772

■ 9.0726, 10.1316,
3.7827

178.1144,
191.6090, 145.7782

■ 4.8461, 5.4863,
1.5069

218.1508,
234.3393, 182.7302

■ 2.1911, 2.5353,
0.2230

263.7777,

■ 0.7380, 0.8943,

282.9922, 225.4518

0.0000

315.3604,
337.9521, 274.3615

■ 0.0000, 0.0000,
0.0000

■ 49.0013, 53.3440,
32.9131

■ 49.0013, 53.3440,
32.9131

■ 46.9091, 51.3689,
25.4042

■ 51.3916, 55.4672,
41.9019

■ 45.0953, 49.5283,
19.2910

■ 54.0901, 57.7370,
52.4422

■ 43.5445, 47.8176,
14.4858


■ 57.1116, 60.1615,
64.6048


■ 42.2376, 46.2292,
10.8895


■ 60.4685, 62.7457,
78.4551


■ 41.1532, 44.7542,
8.3890


■ 64.1728, 65.4945,
94.0550


 40.2656, 43.3822,
6.8498

 66.8529, 67.8596,
104.1824

 39.5850, 42.2037,
6.0598

 67.6773, 69.5084,
104.4572

 68.5181, 71.1898,
104.7375

 69.3753, 72.9042,
105.0232

Harmonies

Analogous

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



54.5532, 53.3440, 33.9956



49.0013, 53.3440, 32.9131



44.2590, 53.3440, 37.5600

Triad

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



49.0013, 53.3440, 32.9131



42.9104, 53.3440, 79.5914



61.3153, 53.3440, 69.5228

Complementary

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



49.0013, 53.3440, 32.9131



32.9500, 32.1547, 61.5966

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.



57.7414, 53.3440, 84.9794



49.0013, 53.3440, 32.9131



47.0362, 53.3440, 91.4871

Square

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



49.0013, 53.3440, 32.9131



40.9147, 53.3440, 63.1489



52.4413, 53.3440, 93.6204



61.9371, 53.3440, 53.2947

Rectangle

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



49.0013, 53.3440, 32.9131



42.0958, 53.3440, 43.8823



52.4413, 53.3440, 93.6204



60.4075, 53.3440, 75.0568

Sweetspot

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



49.0027, 53.3464, 32.9142



90.4220, 96.3079, 90.2047



40.0537, 34.1384, 33.9705



19.2030, 20.4904, 18.7063



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.



49.0027, 53.3464, 32.9142



78.8115, 86.1594, 46.0332



45.9293, 55.1762, 33.4294



11.9964, 12.7817, 11.9143



24.9719, 26.6768, 3.8330



1.3300, 1.4597, 0.2116

Inverse Universe

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



32.9500, 32.1547, 61.5966



48.1282, 45.6621, 100.8848



35.3248, 31.0915, 61.2662



10.7431, 11.1267, 14.1518



7.2360, 3.4960, 36.2497



0.4198, 0.2733, 1.8856

Previews

White Background



This preview shows how the XYZ color 49.0013, 53.3440, 32.9131 looks on a white background.

Color Contrast Check

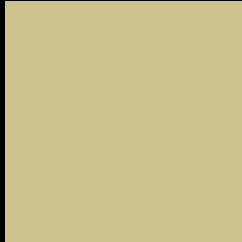
Large Text (above 18pt) WCAG AA × Fail

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 49.0013, 53.3440, 32.9131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

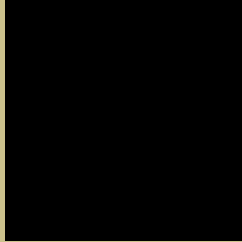
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0013, 53.3440, 32.9131

Background



This preview shows how black text looks on a background with the XYZ color 49.0013, 53.3440, 32.9131.

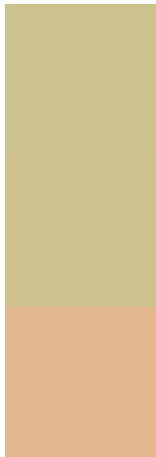


This preview shows how white text looks on a background with the XYZ color 49.0013, 53.3440,

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

49.0013, 53.3440, 32.9131

Protanopia

49.6098, 53.3284, 32.8780

Deuteranopia

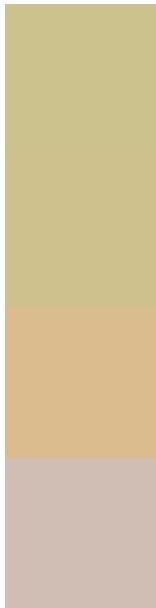
54.3018, 53.1751, 33.3884



Tritanopia

54.9655, 53.1837, 62.6268

Trichromacy



Original Color

49.0013, 53.3440, 32.9131

Protanomaly

49.3313, 53.1848, 32.8650

Deuteranomaly

52.0791, 52.9795, 33.0724

Tritanomaly

52.3467, 53.0598, 50.1304

Monochromacy



Original Color

49.0013, 53.3440, 32.9131

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.1574, 52.4522, 47.0686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0013, 53.3440, 32.9131 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, 194, 141)` looks like.

```
.text, #text, p{  
    color:rgb(204, 194, 141)  
}
```

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, 194, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 194, 141) }
```

Border

The CSS property to change the border of an element to XYZ 49.0013, 53.3440, 32.9131 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, 194, 141) }
```


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

```
.border{ border-color:rgb(204, 194, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 194, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 194, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 194, 141);  
box-shadow:4px 4px 4px 4px rgb(204, 194,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0013, 53.3440, 32.9131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 194, 141) }
```

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

```
.background{ background-color: rgb(204,  
194, 141) }
```

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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