

Converting Colors

XYZ(48.3056, 50.7475, 28.0894)

Have a look what the booklet for
XYZ(48.3056, 50.7475, 28.0894)
contains.

XYZ(48.3111, 50.8273, 28.0333)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.3111, 50.8273,
28.0333)**

Conversions

Conversions Part 1

Format	Color
Hex	D2BB81
RGB	210, 187, 129
RGB Percent	82%, 73%, 51%
CMY	0.1765, 0.2666, 0.4941
CMYK	0.00, 0.11, 0.39, 0.18
HSL	43°, 47%, 66%
HSV	43°, 39%, 82%
XYZ	48.3111, 50.8273, 28.0333
YIQ	187.2650, 32.3260, -13.1620

Conversions

Conversions Part 2

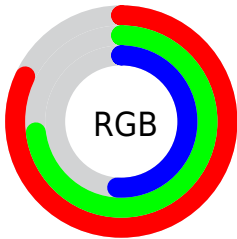
Format	Color
R_{YB}	161, 210, 129
Decimal	13810561
CIE _{Lab}	76.57, 0.00, 32.38
CIE _{LCh}	77, 32.377, 89.994
Yxy	50.8273, 0.3799, 0.3997
Android (android.graphics.Color)	4292000641 (0xFFD2BB81)
YUV	187.2650, -28.7246, 19.9386
Hunter-Lab	71.2933, -3.8047, 26.5918

Details

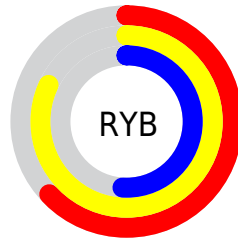
The XYZ color **48.3111, 50.8273, 28.0333** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.9140, 31.7757, 65.4239**, and the grayscale version is **47.5292, 50.0044, 54.4548**.

A 20% lighter version of the original color is **81.7341, 88.7386, 57.0764**, and **23.2628, 24.4847, 10.8971** is the 20% darker color. If you saturate the color by 10%, you get **45.8180, 47.8500, 21.0090**, and if you desaturate by 10%, it is **51.1462, 54.0291, 36.5880**.

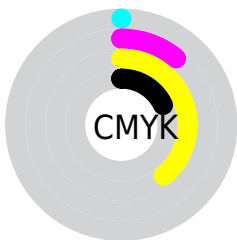
Distribution



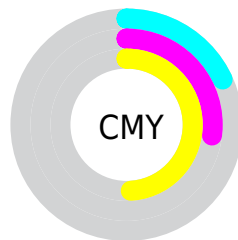
- Red (82%)
- Green (73%)
- Blue (51%)



- Red (63%)
- Yellow (82%)
- Blue (51%)



- Cyan (0%)
- Magenta (11%)
- Yellow (39%)
- Black (18%)



- Cyan (18%)
- Magenta (27%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3111, 50.8273, 28.0333 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 48.3111, 50.8273, 28.0333 by changing the saturation by 10% instead.

■ 48.3111, 50.8273,
28.0333

■ 48.3111, 50.8273,
28.0333

370.5860,
389.8924, 306.5429

■ 34.2856, 36.0712,
18.1115

■ 86.8743, 91.3994,
57.5613

■ 23.2770, 24.4892,
10.8598

■ 112.1427,
117.9843, 78.0047

■ 14.9200, 15.6969,
5.8597

■ 141.8895,
149.2808, 102.7923

■ 8.8492, 9.3099,
2.6925

176.4800,
185.6734, 132.3426

■ 4.6993, 4.9439,
0.9397

216.2795,
227.5464, 167.0744

■ 2.1049, 2.2144,
0.0000

261.6535,

■ 0.6919, 0.7278,

275.2844, 207.4060

0.0000

312.9672,
329.2716, 253.7560

■ 0.0000, 0.0000,
0.0000

■ 48.3111, 50.8273,
28.0333

■ 48.3111, 50.8273,
28.0333

■ 45.8180, 47.8500,
21.0090

■ 51.1462, 54.0291,
36.5880

■ 43.6447, 45.0818,
15.4186

■ 54.3362, 57.4561,
46.7554

■ 41.7721, 42.5159,
11.1593

■ 57.8980, 61.1177,
58.6156

■ 40.1774, 40.1420,
8.1134

■ 61.8463, 65.0209,
72.2427

■ 38.8336, 37.9484,
6.1423

■ 66.1947, 69.1719,
87.7060

■ 37.6993, 35.9174,
5.0320

■ 70.9560, 73.5770,
105.0697

■ 37.5459, 35.6369,
4.8997

■ 72.5749, 76.8147,
105.6094

■ 74.2504, 80.1658,
106.1679

■ 75.9831, 83.6312,
106.7454

Harmonies

Analogous

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



54.4326, 50.8273, 31.0006



48.3111, 50.8273, 28.0333



42.6663, 50.8273, 30.9981

Triad

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



48.3111, 50.8273, 28.0333



38.8240, 50.8273, 73.9436



59.2257, 50.8273, 73.9513

Complementary

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



48.3111, 50.8273, 28.0333



31.9140, 31.7757, 65.4239

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.



54.4302, 50.8273, 89.9355



48.3111, 50.8273, 28.0333



42.6643, 50.8273, 89.9304

Square

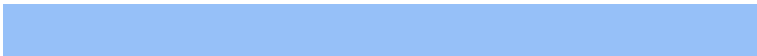
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.3111, 50.8273, 28.0333



37.4785, 50.8273, 55.3386



48.3085, 50.8273, 96.3149



61.0495, 50.8273, 55.3459

Rectangle

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



48.3111, 50.8273, 28.0333



39.8504, 50.8273, 36.3919



48.3085, 50.8273, 96.3149



57.8889, 50.8273, 79.9396

Sweetspot

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



48.3124, 50.8297, 28.0343



87.7999, 92.7657, 84.0838



40.2035, 31.7125, 34.2698



18.6353, 19.6942, 17.4713



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.



48.3124, 50.8297, 28.0343



71.8474, 75.1697, 34.6535



49.2060, 59.1210, 29.5876



12.5080, 13.2067, 12.5019



22.9918, 21.9166, 3.0185



1.3512, 1.3567, 0.1907

Inverse Universe

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



31.9140, 31.7757, 65.4239



43.0446, 41.7235, 100.3925



31.1960, 26.3922, 64.4226



11.4331, 11.9564, 14.9489



8.1438, 4.9342, 37.7157



0.5232, 0.4116, 2.1314

Previews

White Background



This preview shows how the XYZ color 48.3111, 50.8273, 28.0333 looks on a white background.

Color Contrast Check

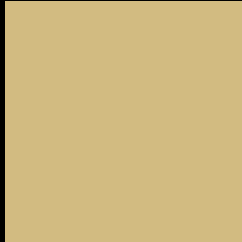
Large Text (above 18pt) WCAG AA × Fail

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 48.3111, 50.8273, 28.0333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

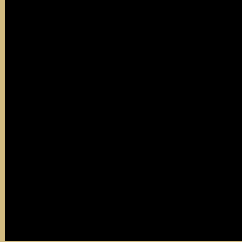
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3111, 50.8273, 28.0333

Background



This preview shows how black text looks on a background with the XYZ color 48.3111, 50.8273, 28.0333.



This preview shows how white text looks on a background with the XYZ color 48.3111, 50.8273,

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

48.3111, 50.8273, 28.0333

Protanopia

47.1287, 50.8443, 28.4491

Deuteranopia

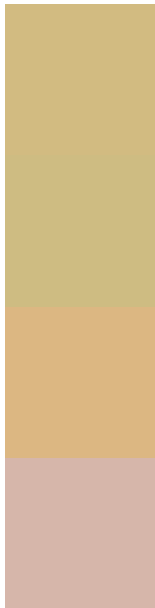
51.9172, 50.8282, 28.1936



Tritanopia

54.3610, 50.8422, 57.4005

Trichromacy



Original Color

48.3111, 50.8273, 28.0333

Protanomaly

47.4661, 50.7000, 28.4034

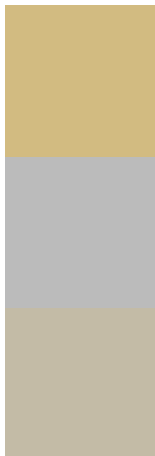
Deuteranomaly

50.4780, 50.6943, 28.2436

Tritanomaly

51.7152, 50.6543, 45.0818

Monochromacy



Original Color

48.3111, 50.8273, 28.0333

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.1589, 49.8959, 43.2217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3111, 50.8273, 28.0333 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(210, 187, 129)` looks like.

```
.text, #text, p{  
    color:rgb(210, 187, 129)  
}
```

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(210, 187, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 187, 129) }
```

Border

The CSS property to change the border of an element to XYZ 48.3111, 50.8273, 28.0333 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(210, 187, 129) }
```


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

```
.border{ border-color:rgb(210, 187, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 187, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 187, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 187, 129);  
box-shadow:4px 4px 4px 4px rgb(210, 187,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3111, 50.8273, 28.0333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 187, 129) }
```

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

```
.background{ background-color: rgb(210,  
187, 129) }
```

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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