

# Converting Colors

XYZ(50.6546, 50.6955, 32.3147)

Have a look what the booklet for  
XYZ(50.6546, 50.6955, 32.3147)  
contains.

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# Color

**XYZ(50.6546, 50.6955,  
32.3147)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAB78D
RGB	218, 183, 141
RGB Percent	85%, 72%, 55%
CMY	0.1451, 0.2823, 0.4471
CMYK	0.00, 0.16, 0.35, 0.15
HSL	33°, 51%, 70%
HSV	33°, 35%, 85%
XYZ	50.6546, 50.6955, 32.3147
YIQ	188.6770, 34.3420, -5.6420

# Conversions

## Conversions Part 2

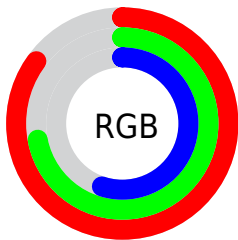
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">205, 218, 141</a>
Decimal	<a href="#">14333837</a>
CIELab	<a href="#">76.49, 6.70, 26.07</a>
CIELCh	<a href="#">76, 26.913, 75.587</a>
Yxy	<a href="#">50.6955, 0.3790, 0.3793</a>
Android (android.graphics.Color)	<a href="#">4292523917 (0xFFDAB78D)</a>
YUV	<a href="#">188.6770, -23.5048, 25.7163</a>
Hunter-Lab	<a href="#">71.2008, 2.3895, 22.9316</a>

# Details

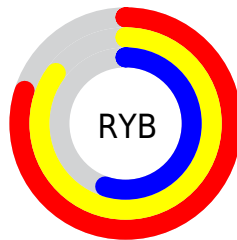
The XYZ color **50.6546, 50.6955, 32.3147** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **39.1641, 41.7738, 72.3285**, and the grayscale version is **48.3026, 50.8181, 55.3409**.

A 20% lighter version of the original color is **81.9568, 86.9331, 64.0899**, and **24.7284, 24.3848, 13.0763** is the 20% darker color. If you saturate the color by 10%, you get **47.2177, 46.1669, 23.9388**, and if you desaturate by 10%, it is **54.5573, 55.6443, 42.4221**.

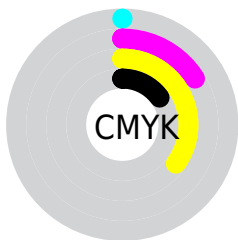
# Distribution



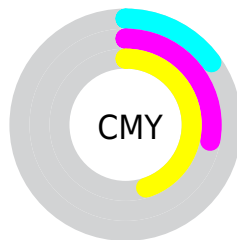
- Red (85%)
- Green (72%)
- Blue (55%)



- Red (80%)
- Yellow (85%)
- Blue (55%)



- Cyan (0%)
- Magenta (16%)
- Yellow (35%)
- Black (15%)




- Cyan (15%)
- Magenta (28%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6546, 50.6955, 32.3147 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 50.6546, 50.6955, 32.3147 by changing the saturation by 10% instead.





 50.6546, 50.6955,  
32.3147


 50.6546, 50.6955,  
32.3147


379.6301,  
389.3796, 327.0871

 36.1537, 35.9663,  
21.3352


 90.3300, 91.2045,  
64.4077

 24.7236, 24.4082,  
13.1756


 116.2353,  
117.7531, 86.3583

 15.9989, 15.6367,  
7.4174


 146.6728,  
149.0104, 112.8031

 9.6142, 9.2674,  
3.6421

182.0078,  
185.3606, 144.1604

 5.2042, 4.9160,  
1.4311

222.6056,  
227.1883, 180.8490

 2.4036, 2.1981,  
0.1658

268.8318,

 0.8469, 0.7189,

274.8777, 223.2872

0.0000

321.0515,  
328.8134, 271.8938

■ 0.0000, 0.0000,  
0.0000

■ 50.6546, 50.6955,  
32.3147

■ 50.6546, 50.6955,  
32.3147

■ 47.2177, 46.1669,  
23.9388

■ 54.5573, 55.6443,  
42.4221

■ 44.2209, 42.0380,  
17.1912

■ 58.9420, 61.0187,  
54.3499

■ 41.6417, 38.2968,  
11.9624

■ 63.8289, 66.8333,  
68.1846

■ 39.4535, 34.9276,  
8.1279

■ 69.2356, 73.0992,  
84.0060

■ 37.6258, 31.9130,  
5.5434

■ 75.1789, 79.8276,  
101.8896

■ 36.1219, 29.2330,  
4.0316

■ 78.8501, 85.8988,  
107.0320

■ 35.5011, 28.0808,  
3.5490

■ 81.8867, 91.9721,  
108.0442

■ 82.7234, 93.6454,  
108.3231

# Harmonies

## Analogous

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



55.3414, 50.6955, 37.5459



50.6546, 50.6955, 32.3147



45.6098, 50.6955, 32.4184

# Triad

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



50.6546, 50.6955, 32.3147



39.3831, 50.6955, 63.0536



55.4965, 50.6955, 77.1578

# Complementary

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



50.6546, 50.6955, 32.3147



39.1641, 41.7738, 72.3285

# 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.



50.8544, 50.6955, 86.7310



50.6546, 50.6955, 32.3147



41.6730, 50.6955, 77.6647

# Square

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



50.6546, 50.6955, 32.3147



39.3379, 50.6955, 48.5304



45.7961, 50.6955, 86.9313



58.2671, 50.6955, 62.4516



# Rectangle

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



50.6546, 50.6955, 32.3147



42.7261, 50.6955, 35.4479



45.7961, 50.6955, 86.9313



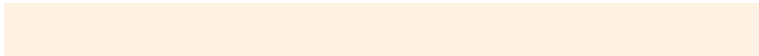
54.0892, 50.6955, 81.1882

# Sweetspot

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



50.6559, 50.6979, 32.3157



86.9254, 90.4576, 85.5155



46.3677, 37.1273, 46.2830



18.4047, 19.1216, 17.7381



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.



50.6559, 50.6979, 32.3157



68.7271, 67.6943, 37.4195



58.0309, 66.5786, 34.9923



13.6417, 14.2228, 13.7519



21.3778, 17.0412, 2.1626



1.4707, 1.2755, 0.1687

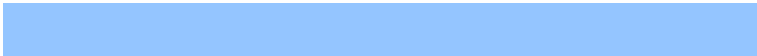


# Inverse Universe

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



39.1641, 41.7738, 72.3285



50.1145, 53.2462, 102.2440



33.6063, 30.0027, 70.3494



12.8237, 13.5871, 16.5988



10.3637, 8.5968, 40.8515



0.7568, 0.7277, 2.6750



# Previews

## White Background



This preview shows how the XYZ color 50.6546, 50.6955, 32.3147 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

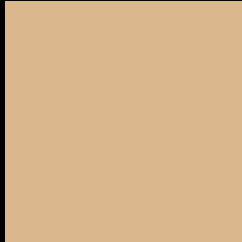
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.6546, 50.6955, 32.3147 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

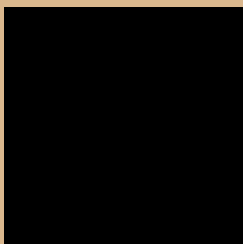
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.6546, 50.6955, 32.3147**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.6546, 50.6955, 32.3147.



This preview shows how white text looks on a background with the XYZ color 50.6546, 50.6955,



# 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

50.6546, 50.6955, 32.3147

### Protanopia

47.5888, 50.9654, 33.7147

### Deuteranopia

51.7630, 50.6588, 32.2492



## Tritanopia

55.2510, 50.4563, 55.5422

# Trichromacy



## Original Color

50.6546, 50.6955, 32.3147

## Protanomaly

48.7407, 50.9337, 33.2489

## Deuteranomaly

51.3545, 50.7511, 32.2886

## Tritanomaly

53.3853, 50.5909, 45.9810

# Monochromacy



## Original Color

50.6546, 50.6955, 32.3147

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

49.0361, 50.7986, 46.2503

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.6546, 50.6955, 32.3147 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(218, 183, 141)` looks like.

```
.text, #text, p{  
    color:rgb(218, 183, 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(218, 183, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 183, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 50.6546, 50.6955, 32.3147 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(218, 183, 141) }
```



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

```
.border{ border-color:rgb(218, 183, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 183, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 183, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 183, 141);  
box-shadow:4px 4px 4px 4px rgb(218, 183,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.6546, 50.6955, 32.3147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 183, 141) }
```

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

```
.background{ background-color: rgb(218,  
183, 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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