

# Converting Colors

XYZ(50.2645, 57.2422, 26.9061)

Have a look what the booklet for  
XYZ(50.2645, 57.2422, 26.9061)  
contains.

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# Color

**XYZ(50.3224, 57.2388,  
26.8083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CECB7A
RGB	206, 203, 122
RGB Percent	81%, 80%, 48%
CMY	0.1922, 0.2039, 0.5216
CMYK	0.00, 0.01, 0.41, 0.19
HSL	58°, 46%, 64%
HSV	58°, 41%, 81%
XYZ	50.3224, 57.2388, 26.8083
YIQ	194.6630, 27.7890, -24.5550

# Conversions

## Conversions Part 2

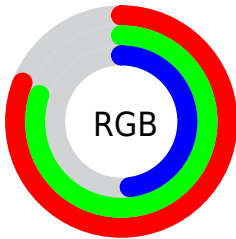
Format	Color
<b>RYB</b>	125, 206, 122
Decimal	13552506
CIELab	80.31, -10.65, 40.71
CIELCh	80, 42.076, 104.665
Yxy	57.2388, 0.3745, 0.4260
Android (android.graphics.Color)	4291742586 (0xFFCECB7A)
YUV	194.6630, -35.8229, 9.9425
Hunter-Lab	75.6563, -13.6703, 31.9504

# Details

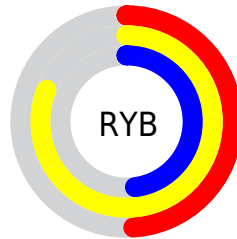
The XYZ color **50.3224, 57.2388, 26.8083** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.5002, 23.2605, 61.4855**, and the grayscale version is **51.8672, 54.5683, 59.4249**.

A 20% lighter version of the original color is **84.8365, 95.9146, 55.1163**, and **24.4625, 28.4339, 10.1602** is the 20% darker color. If you saturate the color by 10%, you get **49.0065, 56.4376, 20.7262**, and if you desaturate by 10%, it is **51.9125, 58.1551, 34.3179**.

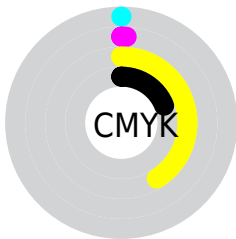
# Distribution



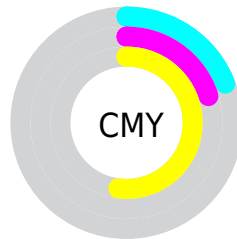
- Red (81%)
- Green (80%)
- Blue (48%)



- Red (49%)
- Yellow (81%)
- Blue (48%)



- Cyan (0%)
- Magenta (1%)
- Yellow (41%)
- Black (19%)




- Cyan (19%)
- Magenta (20%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3224, 57.2388, 26.8083 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 50.3224, 57.2388, 26.8083 by changing the saturation by 10% instead.





 50.3224, 57.2388,  
26.8083


 50.3224, 57.2388,  
26.8083


378.3566,  
414.3435, 300.4585


 35.8885, 41.1970,  
17.1981


 89.8413, 100.8135,  
55.5761

 24.5178, 28.4730,  
10.2124


 115.6571,  
129.1153, 75.5708

 15.8450, 18.6826,  
5.4326


 145.9975,  
162.2724, 99.8641

 9.5047, 11.4411,  
2.4401

181.2278,  
200.6694, 128.8745

 5.1315, 6.3644,  
0.8082

221.7136,  
244.6906, 163.0207

 2.3602, 3.0679,  
0.0000

267.8201,

 0.8252, 1.1673,

294.7205, 202.7210

0.0000

319.9126,  
351.1433, 248.3941

■ 0.0000, 0.0347,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 50.3224, 57.2388,  
26.8083

■ 50.3224, 57.2388,  
26.8083

■ 49.0065, 56.4376,  
20.7262

■ 51.9125, 58.1551,  
34.3179

■ 47.9433, 55.7368,  
15.9772


■ 53.7884, 59.1849,  
43.3344


■ 47.1151, 55.1313,  
12.4612


■ 55.9659, 60.3368,  
53.9353


■ 46.4998, 54.6122,  
10.0626


■ 58.4586, 61.6160,  
66.1921

 46.0713, 54.1692,  
8.6437

 61.2793, 63.0277,  
80.1717

 45.7979, 53.8104,  
7.9726

 64.4399, 64.5768,  
95.9374

 66.0952, 65.5250,  
103.7717

 66.2748, 65.8843,  
103.8316

 66.4553, 66.2452,  
103.8918

# Harmonies

## Analogous

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



58.8968, 57.2388, 26.8901



50.3224, 57.2388, 26.8083



43.5842, 57.2388, 34.3363

# Triad

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



50.3224, 57.2388, 26.8083



43.4663, 57.2388, 101.9102



71.9669, 57.2388, 75.7105

# Complementary

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



50.3224, 57.2388, 26.8083



26.5002, 23.2605, 61.4855

# 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.



66.8803, 57.2388, 102.4548



50.3224, 57.2388, 26.8083



50.1452, 57.2388, 120.0856

# Square

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



50.3224, 57.2388, 26.8083



39.9185, 57.2388, 75.1030



58.7000, 57.2388, 120.3077



72.0273, 57.2388, 51.0824



# Rectangle

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



50.3224, 57.2388, 26.8083



40.7805, 57.2388, 44.1697



58.7000, 57.2388, 120.3077



70.7662, 57.2388, 84.8730

# Sweetspot

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



50.3238, 57.2414, 26.8095



90.1618, 97.4895, 84.8711



36.1924, 28.5531, 23.4109



19.1943, 20.8122, 17.6577



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.



50.3238, 57.2414, 26.8095



79.6279, 91.5837, 34.6173



41.7756, 53.8947, 26.6141



12.1182, 13.0254, 11.9549



28.2167, 33.1664, 4.9146



1.4666, 1.7329, 0.2572



# Inverse Universe

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



26.5002, 23.2605, 61.4855



35.8586, 29.1598, 98.3462



32.5579, 25.8290, 61.6620



10.6333, 10.9070, 14.1152



6.9242, 2.8723, 36.1457

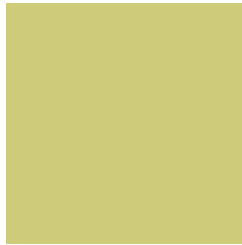


0.3687, 0.1712, 1.8685



# Previews

## White Background



This preview shows how the XYZ color 50.3224, 57.2388, 26.8083 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 50.3224, 57.2388, 26.8083 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

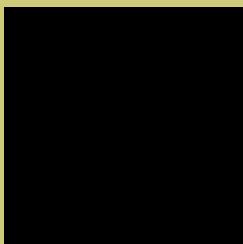
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

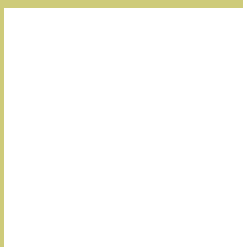
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.3224, 57.2388, 26.8083**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.3224, 57.2388, 26.8083.



This preview shows how white text looks on a background with the XYZ color 50.3224, 57.2388,



# 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

50.3224, 57.2388, 26.8083

### Protanopia

52.7881, 57.1328, 26.3347

### Deuteranopia

58.0503, 56.8328, 27.3123



## Tritanopia

58.7740, 57.2929, 67.6354

# Trichromacy



## Original Color

50.3224, 57.2388, 26.8083

## Protanomaly

51.8370, 56.9852, 26.3563

## Deuteranomaly

55.1481, 56.9794, 27.1603

## Tritanomaly

55.0534, 57.1039, 49.7155

# Monochromacy



## Original Color

50.3224, 57.2388, 26.8083

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

50.8152, 55.3574, 45.0526

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.3224, 57.2388, 26.8083 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(206, 203, 122)` looks like.

```
.text, #text, p{  
    color:rgb(206, 203, 122)  
}
```

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(206, 203, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 203, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 50.3224, 57.2388, 26.8083 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(206, 203, 122) }
```



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

```
.border{ border-color:rgb(206, 203, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 203, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 203, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 203, 122); box-shadow:4px 4px 4px 4px rgb(206, 203, 122) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.3224, 57.2388, 26.8083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 203, 122) }
```

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

```
.background{ background-color: rgb(206,  
203, 122) }
```

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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