

# Converting Colors

XYZ(46.6989, 55.0834, 27.2438)

Have a look what the booklet for  
XYZ(46.6989, 55.0834, 27.2438)  
contains.

<b>XYZ(46.7509, 55.0338, 27.2273)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(46.7509, 55.0338,  
27.2273)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1CA7C
RGB	193, 202, 124
RGB Percent	76%, 79%, 49%
CMY	0.2431, 0.2078, 0.5137
CMYK	0.04, 0.00, 0.39, 0.21
HSL	67°, 42%, 64%
HSV	67°, 39%, 79%
XYZ	46.7509, 55.0338, 27.2273
YIQ	190.4170, 19.6740, -26.1660

# Conversions

## Conversions Part 2

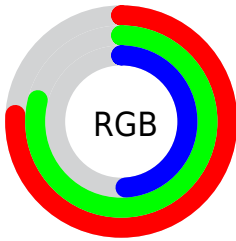
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 202, 133
Decimal	12700284
CIELab	79.06, -15.06, 37.90
CIELCh	79, 40.777, 111.669
Yxy	55.0338, 0.3624, 0.4266
Android (android.graphics.Color)	4290890364 (0xFFC1CA7C)
YUV	190.4170, -32.7436, 2.2653
Hunter-Lab	74.1848, -17.3335, 30.1687

# Details

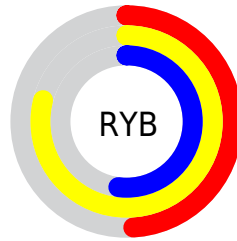
The XYZ color **46.7509, 55.0338, 27.2273** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.5433, 23.6675, 58.9970**, and the grayscale version is **49.3604, 51.9310, 56.5528**.

A 20% lighter version of the original color is **83.2202, 95.0583, 56.0814**, and **22.2737, 27.0641, 10.3533** is the 20% darker color. If you saturate the color by 10%, you get **45.0127, 54.2723, 21.1471**, and if you desaturate by 10%, it is **48.7629, 55.9098, 34.6884**.

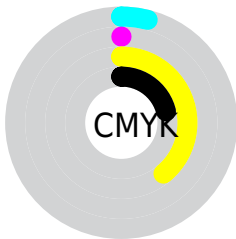
# Distribution



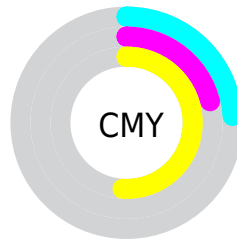
- Red (76%)
- Green (79%)
- Blue (49%)



- Red (49%)
- Yellow (79%)
- Blue (52%)



- Cyan (4%)
- Magenta (0%)
- Yellow (39%)
- Black (21%)



- Cyan (24%)
- Magenta (21%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7509, 55.0338, 27.2273 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 46.7509, 55.0338, 27.2273 by changing the saturation by 10% instead.



■ 46.7509, 55.0338,  
27.2273

■ 46.7509, 55.0338,  
27.2273

364.4849,  
406.0400, 302.5509

■ 33.0459, 39.4288,  
17.5101

■ 84.5627, 97.5905,  
56.2566

■ 22.3210, 27.0935,  
10.4330

■ 109.4002,  
125.3109, 76.4057

■ 14.2109, 17.6434,  
5.5777

■ 138.6792,  
157.8386, 100.8691

■ 8.3502, 10.6943,  
2.5254

172.7651,  
195.5580, 130.0655

■ 4.3735, 5.8617,  
0.8536

212.0233,  
238.8535, 164.4133

■ 1.9155, 2.7611,  
0.0000

256.8191,

■ 0.5858, 1.0083,

288.1093, 204.3311

0.0000

307.5178,  
343.7101, 250.2375

■ 0.0000, 0.0000,  
0.0000

■ 46.7509, 55.0338,  
27.2273

■ 46.7509, 55.0338,  
27.2273

■ 45.0127, 54.2723,  
21.1471

■ 48.7629, 55.9098,  
34.6884

■ 43.5282, 53.6114,  
16.3597

■ 51.0594, 56.8987,  
43.6046

■ 42.2807, 53.0464,  
12.7721


■ 53.6554, 58.0085,  
54.0488


■ 41.2499, 52.5692,  
10.2776


■ 56.5637, 59.2443,  
66.0879


■ 40.4120, 52.1702,  
8.7505

■ 59.7964, 60.6110,  
79.7851


 39.7291, 51.8342,  
7.9914

 63.3647, 62.1131,  
95.2000

 39.6391, 51.7896,  
7.9072

 65.5583, 63.0663,  
103.3255

 66.2244, 63.4097,  
103.3566

 66.9003, 63.7581,  
103.3883

# Harmonies

## Analogous

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



54.6036, 55.0338, 25.6690



46.7509, 55.0338, 27.2273



40.9890, 55.0338, 36.2436

# Triad

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



46.7509, 55.0338, 27.2273



43.2078, 55.0338, 102.2995



69.3315, 55.0338, 66.6394

# Complementary

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



46.7509, 55.0338, 27.2273



27.5433, 23.6675, 58.9970

# 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.



65.5397, 55.0338, 92.1619



46.7509, 55.0338, 27.2273



50.0776, 55.0338, 115.9638

# Square

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



46.7509, 55.0338, 27.2273



39.0956, 55.0338, 78.0005



58.2888, 55.0338, 111.8384



68.2049, 55.0338, 44.8786



# Rectangle

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



46.7509, 55.0338, 27.2273



38.8400, 55.0338, 46.9279



58.2888, 55.0338, 111.8384



68.5769, 55.0338, 75.1184

# Sweetspot

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



46.7523, 55.0363, 27.2285



89.2211, 97.5197, 84.9265



36.2213, 30.4616, 23.0401



18.9713, 20.8195, 17.6708



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.



46.7523, 55.0363, 27.2285



76.7578, 92.1277, 37.6679



38.3167, 50.6876, 26.8337



12.0214, 13.0284, 11.9606



25.5543, 33.3490, 5.0902



1.3554, 1.7395, 0.2643



# Inverse Universe

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



27.5433, 23.6675, 58.9970



39.9030, 31.9135, 98.6645



34.6212, 27.3163, 59.3283



10.7201, 10.9050, 14.1102



7.1312, 2.8838, 36.1370



0.4092, 0.1701, 1.8662



# Previews

## White Background



This preview shows how the XYZ color 46.7509, 55.0338, 27.2273 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 46.7509, 55.0338, 27.2273 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

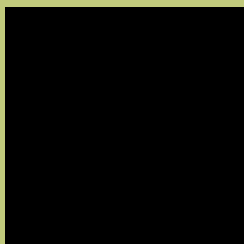
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

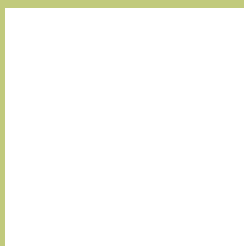
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 46.7509, 55.0338, 27.2273**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.7509, 55.0338, 27.2273.



This preview shows how white text looks on a background with the XYZ color 46.7509, 55.0338, 27.2273.



# 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

46.7509, 55.0338, 27.2273

### Protanopia

50.6934, 55.0311, 26.3626

### Deuteranopia

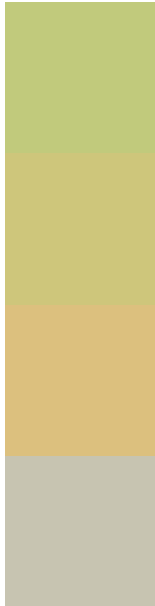
55.8620, 54.7351, 27.6994



## Tritanopia

54.7407, 54.9008, 66.7432

# Trichromacy



## Original Color

46.7509, 55.0338, 27.2273

## Protanomaly

49.2228, 54.9400, 26.7491

## Deuteranomaly

52.1307, 54.4213, 27.4954

## Tritanomaly

51.2289, 54.7963, 49.4717

# Monochromacy



## Original Color

46.7509, 55.0338, 27.2273

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

47.6606, 52.4131, 43.6812

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.7509, 55.0338, 27.2273 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(193, 202, 124)` looks like.

```
.text, #text, p{  
    color:rgb(193, 202, 124)  
}
```

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(193, 202, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 202, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 46.7509, 55.0338, 27.2273 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(193, 202, 124) }
```



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

```
.border{ border-color:rgb(193, 202, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 202, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 202, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 202, 124);  
box-shadow:4px 4px 4px 4px rgb(193, 202,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.7509, 55.0338, 27.2273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 202, 124) }
```

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

```
.background{ background-color: rgb(193,  
202, 124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor