

# Converting Colors

XYZ(61.9623, 71.1223, 45.7216)

Have a look what the booklet for  
XYZ(61.9623, 71.1223, 45.7216)  
contains.

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# Color

**XYZ(61.9450, 71.1297,  
45.5865)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8E1A4
RGB	216, 225, 164
RGB Percent	85%, 88%, 64%
CMY	0.1529, 0.1176, 0.3569
CMYK	0.04, 0.00, 0.27, 0.12
HSL	69°, 50%, 76%
HSV	69°, 27%, 88%
XYZ	61.9450, 71.1297, 45.5865
YIQ	215.3550, 14.2170, -20.8790

# Conversions

## Conversions Part 2

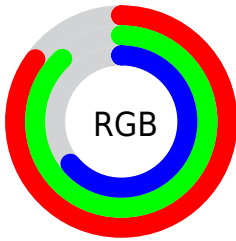
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 225, 173
Decimal	14213540
CIELab	87.55, -12.82, 28.91
CIELCh	88, 31.628, 113.920
Yxy	71.1297, 0.3467, 0.3981
Android (android.graphics.Color)	4292403620 (0xFFD8E1A4)
YUV	215.3550, -25.3180, 0.5657
Hunter-Lab	84.3384, -16.4873, 26.9895

# Details

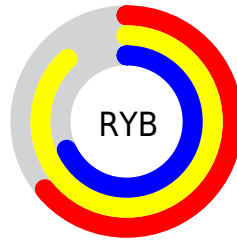
The XYZ color **61.9450, 71.1297, 45.5865** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.1023, 40.8732, 76.8030**, and the grayscale version is **64.9931, 68.3778, 74.4634**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **31.9973, 37.4964, 20.8803** is the 20% darker color. If you saturate the color by 10%, you get **59.1195, 69.8897, 35.7695**, and if you desaturate by 10%, it is **65.1536, 72.5301, 57.3008**.

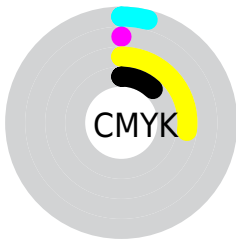
# Distribution



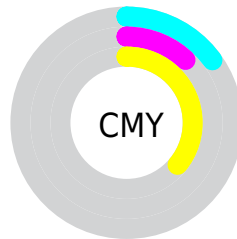
- Red (85%)
- Green (88%)
- Blue (64%)



- Red (64%)
- Yellow (88%)
- Blue (68%)



- Cyan (4%)
- Magenta (0%)
- Yellow (27%)
- Black (12%)



- Cyan (15%)
- Magenta (12%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9450, 71.1297, 45.5865 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 61.9450, 71.1297, 45.5865 by changing the saturation by 10% instead.



61.9450, 71.1297,  
45.5865

61.9450, 71.1297,  
45.5865

421.4512,  
464.5067, 385.3729

45.2437, 52.4480,  
31.5733

106.7364,  
120.8184, 84.9276

31.8515, 37.3623,  
20.7737

135.5572,  
152.5942, 111.0926

21.4031, 25.4882,  
12.7691

169.1486,  
189.5035, 142.1452

13.5331, 16.4411,  
7.1409

207.8759,  
231.9308, 178.5042

7.8762, 9.8368,  
3.4706

252.1044,  
280.2603, 220.5878

4.0670, 5.2909,  
1.3396

302.1996,

1.7401, 2.4189,

334.8766, 268.8148

0.0940

358.5267,  
396.1639, 323.6037

■ 0.4812, 0.8356,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.9450, 71.1297,  
45.5865

■ 61.9450, 71.1297,  
45.5865

■ 59.1195, 69.8897,  
35.7695

■ 65.1536, 72.5301,  
57.3008

■ 56.6524, 68.7929,  
27.7455

■ 68.7574, 74.0884,  
71.0003

■ 54.5249, 67.8342,  
21.4071

■ 72.7748, 75.8145,  
86.7729

■ 52.7138, 67.0044,  
16.6334

■ 77.2213, 77.7146,  
104.7000

■ 51.1931, 66.2929,  
13.2876

■ 78.4530, 78.3311,  
105.5922

■ 49.9322, 65.6876,  
11.2096

■ 79.5452, 78.8941,  
105.6433

■ 48.8912, 65.1724,  
10.1893

■ 80.6579, 79.4678,  
105.6954

■ 48.6122, 65.0327,  
9.9904

■ 81.7912, 80.0520,  
105.7485

■ 82.9453, 80.6469,  
105.8025

# Harmonies

## Analogous

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



69.1403, 71.1297, 43.3052



61.9450, 71.1297, 45.5865



56.6435, 71.1297, 55.6489

# Triad

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



61.9450, 71.1297, 45.5865



59.4910, 71.1297, 115.7049



82.9288, 71.1297, 81.8899

# Complementary

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



61.9450, 71.1297, 45.5865



44.1023, 40.8732, 76.8030

# Split Complementary

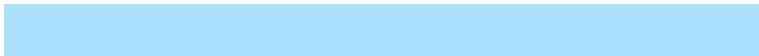
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9003, 71.1297, 104.3053



61.9450, 71.1297, 45.5865



66.0959, 71.1297, 126.0114

# Square

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



61.9450, 71.1297, 45.5865



55.3014, 71.1297, 95.3651



73.6032, 71.1297, 121.4961



81.6139, 71.1297, 61.9288



# Rectangle

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



61.9450, 71.1297, 45.5865



54.7156, 71.1297, 66.5978



73.6032, 71.1297, 121.4961



82.3783, 71.1297, 89.4173

# Sweetspot

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



61.9468, 71.1329, 45.5880



90.8384, 98.1884, 92.4592



52.5325, 48.2457, 41.6665



19.2822, 20.9469, 19.1712



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.



61.9468, 71.1329, 45.5880



79.9132, 93.4343, 52.2759



53.9675, 67.0194, 45.2146



14.6625, 15.9217, 14.6072



28.0890, 37.5129, 5.7603



2.0018, 2.6285, 0.4018



# Inverse Universe

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



44.1023, 40.8732, 76.8030



52.1777, 46.3898, 100.8118



51.3972, 44.6339, 77.1444



13.1394, 13.3399, 17.2700



8.2568, 3.3519, 41.2602



0.6324, 0.2633, 2.8627



# Previews

## White Background



This preview shows how the XYZ color 61.9450, 71.1297, 45.5865 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 61.9450, 71.1297, 45.5865 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

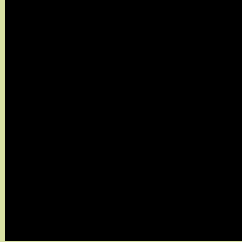
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

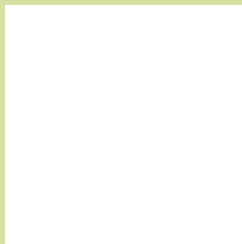
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 61.9450, 71.1297, 45.5865

## Background



This preview shows how black text looks on a background with the XYZ color 61.9450, 71.1297, 45.5865.



This preview shows how white text looks on a background with the XYZ color 61.9450, 71.1297,

45.5865.

# 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**

61.9450, 71.1297, 45.5865

**Protanopia**

66.0255, 70.8984, 43.9231

**Deuteranopia**

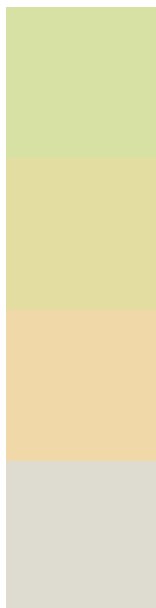
71.9807, 70.8271, 48.9069



## Tritanopia

70.3152, 71.0025, 87.0896

# Trichromacy



## Original Color

61.9450, 71.1297, 45.5865

## Protanomaly

64.3729, 70.8155, 44.4584

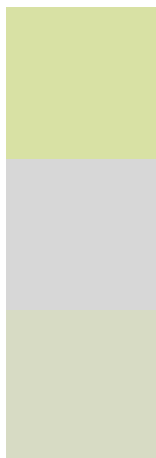
## Deuteranomaly

67.9929, 70.6771, 47.5945

## Tritanomaly

66.8409, 70.7467, 69.8071

# Monochromacy



## Original Color

61.9450, 71.1297, 45.5865

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

63.3197, 69.0956, 62.2240

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.9450, 71.1297, 45.5865 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(216, 225, 164)` looks like.

```
.text, #text, p{  
    color:rgb(216, 225, 164)  
}
```

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(216, 225, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 225, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 61.9450, 71.1297, 45.5865 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(216, 225, 164) }
```



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

```
.border{ border-color:rgb(216, 225, 164) }
```

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

Here you see how a box with a 4 pixel rgb(216, 225, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 225, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 225, 164);  
box-shadow:4px 4px 4px 4px rgb(216, 225,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.9450, 71.1297, 45.5865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 225, 164) }
```

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

```
.background{ background-color: rgb(216,  
225, 164) }
```

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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