

# Converting Colors

XYZ(69.6092, 72.5989, 66.6883)

Have a look what the booklet for  
XYZ(69.6092, 72.5989, 66.6883)  
contains.

<b>XYZ(69.6514, 72.6540, 66.8525)</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(69.6514, 72.6540,  
66.8525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8DCCB
RGB	232, 220, 203
RGB Percent	91%, 86%, 80%
CMY	0.0902, 0.1372, 0.2039
CMYK	0.00, 0.05, 0.12, 0.09
HSL	35°, 39%, 85%
HSV	35°, 12%, 91%
XYZ	69.6514, 72.6540, 66.8525
YIQ	221.6500, 12.6090, -2.7430

# Conversions

## Conversions Part 2

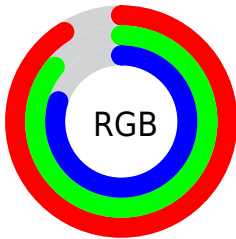
Format	Color
<a href="#">RYB</a>	<a href="#">223, 232, 203</a>
Decimal	<a href="#">15260875</a>
CIELab	<a href="#">88.28, 1.29, 9.81</a>
CIElCh	<a href="#">88, 9.895, 82.513</a>
Yxy	<a href="#">72.6540, 0.3330, 0.3474</a>
Android (android.graphics.Color)	<a href="#">4293450955 (0xFFE8DCCB)</a>
YUV	<a href="#">221.6500, -9.1944, 9.0770</a>
Hunter-Lab	<a href="#">85.2373, -3.3046, 13.1644</a>

# Details

The XYZ color **69.6514, 72.6540, 66.8525** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.4943, 67.1223, 85.9540**, and the grayscale version is **69.2425, 72.8485, 79.3320**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7844, 38.3103, 33.8896** is the 20% darker color. If you saturate the color by 10%, you get **64.6448, 66.7387, 52.5488**, and if you desaturate by 10%, it is **75.2204, 79.0305, 83.3866**.

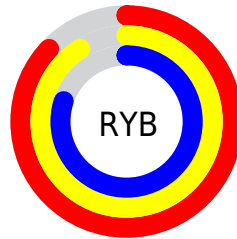
# Distribution



Red (91%)

Green (86%)

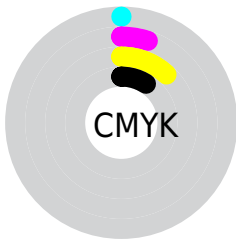
Blue (80%)



Red (87%)

Yellow (91%)

Blue (80%)

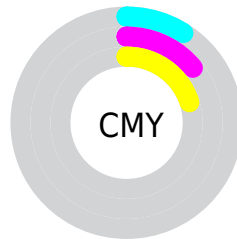


Cyan (0%)

Magenta (5%)

Yellow (12%)

Black (9%)



Cyan (9%)

Magenta (14%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6514, 72.6540, 66.8525 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 69.6514, 72.6540, 66.8525 by changing the saturation by 10% instead.



69.6514, 72.6540,  
66.8525

69.6514, 72.6540,  
66.8525

448.6106,  
469.8148, 467.9068

51.5210, 53.6931,  
48.5039

117.7405,  
122.9859, 116.3477

36.8461, 38.3563,  
33.8633

148.4298,  
155.1257, 148.3314

25.2615, 26.2594,  
22.5121

184.0362,  
192.4272, 185.6971

16.4017, 17.0178,  
14.0318

224.9249,  
235.2748, 228.8636

9.9015, 10.2472,  
8.0038

271.4614,  
284.0530, 278.2492

5.3955, 5.5631,  
4.0095

324.0109,

2.5182, 2.5813,

339.1462, 334.2726

1.6306

382.9388,  
400.9386, 397.3523

■ 0.9045, 0.9173,  
0.3125

■ 0.0000, 0.0000,  
0.0000

■ 69.6514, 72.6540,  
66.8525

■ 69.6514, 72.6540,  
66.8525

■ 64.6448, 66.7387,  
52.5488

■ 75.2204, 79.0305,  
83.3866

■ 60.1738, 61.2627,  
40.3736

■ 81.3653, 85.8700,  
102.2376

■ 56.2184, 56.2165,  
30.2238

■ 85.1414, 92.0007,  
107.8782

■ 52.7546, 51.5865,  
21.9861

■ 87.0890, 95.8960,  
108.5274

■ 49.7563, 47.3580,  
15.5356

■ 47.1944, 43.5152,  
10.7327

■ 45.0358, 40.0403,  
7.4164

■ 43.2410, 36.9129,  
5.3928

■ 42.0883, 34.7745,  
4.4939

# Harmonies

## Analogous

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



71.8681, 72.6540, 69.1905



69.6514, 72.6540, 66.8525



67.3240, 72.6540, 67.6457

# Triad

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



69.6514, 72.6540, 66.8525



64.9277, 72.6540, 84.2146



72.7376, 72.6540, 87.3254

# Complementary

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



69.6514, 72.6540, 66.8525



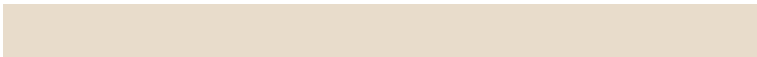
63.4943, 67.1223, 85.9540

# 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.



70.8163, 72.6540, 91.7968



69.6514, 72.6540, 66.8525



66.3171, 72.6540, 89.9302

# Square

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



69.6514, 72.6540, 66.8525



64.6320, 72.6540, 77.4182



68.4629, 72.6540, 92.7763



73.6763, 72.6540, 80.8220



# Rectangle

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



69.6514, 72.6540, 66.8525



66.0194, 72.6540, 69.8659



68.4629, 72.6540, 92.7763



72.1832, 72.6540, 89.1309

# Sweetspot

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



69.6534, 72.6572, 66.8541



92.1197, 96.6979, 100.0355



66.9120, 64.7793, 73.3240



19.6022, 20.5666, 21.0660



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

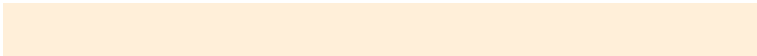


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.6534, 72.6572, 66.8541



84.6506, 88.0942, 78.0176



72.1364, 78.7799, 67.9050



15.0757, 15.7653, 15.1529



23.4926, 19.5593, 2.5371



1.8271, 1.6275, 0.2178

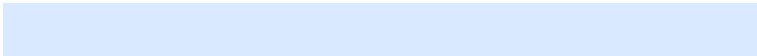


# Inverse Universe

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



63.4943, 67.1223, 85.9540



75.6088, 79.9690, 106.0583



61.2143, 61.5776, 85.0039



14.0701, 14.8616, 18.2713



10.5239, 8.1100, 43.3939

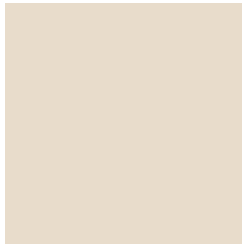


0.8675, 0.7789, 3.2366



# Previews

## White Background



This preview shows how the XYZ color 69.6514, 72.6540, 66.8525 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 69.6514, 72.6540, 66.8525 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

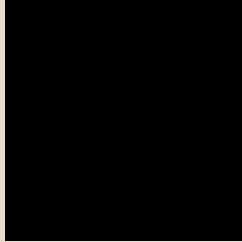
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.6514, 72.6540, 66.8525

## Background



This preview shows how black text looks on a background with the XYZ color 69.6514, 72.6540, 66.8525.



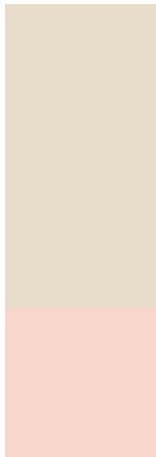
This preview shows how white text looks on a background with the XYZ color 69.6514, 72.6540,

66.8525.

# 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

69.6514, 72.6540, 66.8525

### Protanopia

69.2691, 72.8477, 66.9101

### Deuteranopia

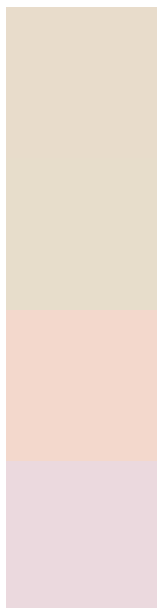
74.0126, 72.5925, 67.2376



## Tritanopia

73.8559, 72.8278, 87.2553

# Trichromacy



## Original Color

69.6514, 72.6540, 66.8525

## Protanomaly

69.5909, 73.0136, 66.9251

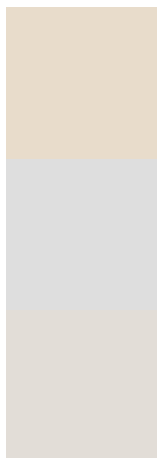
## Deuteranomaly

72.4171, 72.5261, 67.3089

## Tritanomaly

72.2586, 72.5618, 79.3046

# Monochromacy



## Original Color

69.6514, 72.6540, 66.8525

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

69.4862, 72.7880, 74.6771

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.6514, 72.6540, 66.8525 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(232, 220, 203)` looks like.

```
.text, #text, p{  
    color:rgb(232, 220, 203)  
}
```

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(232, 220, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 220, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 69.6514, 72.6540, 66.8525 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(232, 220, 203) }
```



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

```
.border{ border-color:rgb(232, 220, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 220, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 220, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 220, 203); box-shadow:4px 4px 4px 4px rgb(232, 220, 203) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.6514, 72.6540, 66.8525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 220, 203) }
```

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

```
.background{ background-color: rgb(232,  
220, 203) }
```

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