

# Converting Colors

XYZ(75.2103, 80.4452, 64.3868)

Have a look what the booklet for  
XYZ(75.2103, 80.4452, 64.3868)  
contains.

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# **Color**

**XYZ(75.2103, 80.4452,  
64.3868)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1E8C5
RGB	241, 232, 197
RGB Percent	95%, 91%, 77%
CMY	0.0549, 0.0902, 0.2274
CMYK	0.00, 0.04, 0.18, 0.05
HSL	48°, 61%, 86%
HSV	48°, 18%, 95%
XYZ	75.2103, 80.4452, 64.3868
YIQ	230.7010, 16.5990, -8.9770

# Conversions

## Conversions Part 2

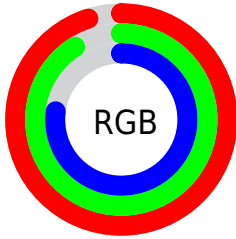
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 241, 197
Decimal	15853765
CIE <sub>Lab</sub>	91.88, -2.55, 18.14
CIE <sub>LCh</sub>	92, 18.315, 98.000
Yxy	80.4452, 0.3418, 0.3656
Android (android.graphics.Color)	4294043845 (0xFFFF1E8C5)
YUV	230.7010, -16.6146, 9.0322
Hunter-Lab	89.6912, -7.2791, 20.2213

# Details

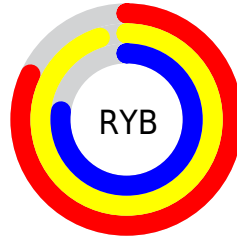
The XYZ color **75.2103, 80.4452, 64.3868** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.9743, 62.3625, 92.0432**, and the grayscale version is **75.8461, 79.7960, 86.8978**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **40.4908, 43.3481, 32.2195** is the 20% darker color. If you saturate the color by 10%, you get **71.2999, 76.6957, 50.5312**, and if you desaturate by 10%, it is **79.6054, 84.4563, 80.5839**.

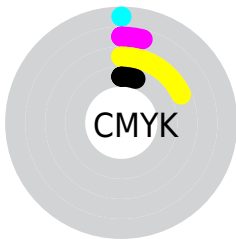
# Distribution



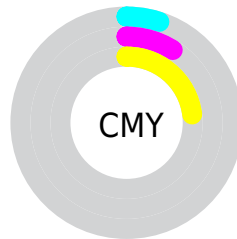
- Red (95%)
- Green (91%)
- Blue (77%)



- Red (82%)
- Yellow (95%)
- Blue (77%)



- Cyan (0%)
- Magenta (4%)
- Yellow (18%)
- Black (5%)



- Cyan (5%)
- Magenta (9%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2103, 80.4452, 64.3868 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 75.2103, 80.4452, 64.3868 by changing the saturation by 10% instead.



75.2103, 80.4452,  
64.3868

75.2103, 80.4452,  
64.3868

467.6261,  
496.4319, 458.8309

56.0800, 60.0848,  
46.5158

125.5963,  
133.9915, 112.7726

40.5043, 43.4870,  
32.3015

157.5827,  
167.9461, 144.1246

28.1179, 30.2674,  
21.3252

194.5852,  
207.2010, 180.8073

18.5555, 20.0416,  
13.1683

236.9691,  
252.1404, 223.2393

11.4516, 12.4253,  
7.4125

285.0998,  
303.1488, 271.8391

6.4410, 7.0340,  
3.6390

339.3426,

3.1582, 3.4834,

360.6106, 327.0252

1.4295

400.0630,  
424.9102, 389.2163

■ 1.2380, 1.3890,  
0.1646

■ 0.1360, 0.2086,  
0.0000

■ 75.2103, 80.4452,  
64.3868

■ 75.2103, 80.4452,  
64.3868

■ 71.2999, 76.6957,  
50.5312

■ 79.6054, 84.4563,  
80.5839

■ 67.8466, 73.1880,  
38.9016

■ 84.4986, 88.7266,  
99.2204

■ 64.8295, 69.9159,  
29.3805

■ 87.5214, 92.3119,  
107.8129

■ 62.2236, 66.8691,  
21.8373

■ 89.0463, 95.3618,  
108.3212

■ 60.0009, 64.0357,  
16.1270

■ 90.0859, 97.4409,  
108.6677

■ 58.1299, 61.4026,  
12.0845

■ 56.5732, 58.9543,  
9.5152

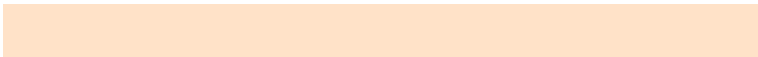
■ 55.2786, 56.6695,  
8.1455

■ 55.0668, 56.2827,  
7.9613

# Harmonies

## Analogous

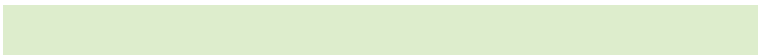
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8952, 80.4452, 65.7254



75.2103, 80.4452, 64.3868



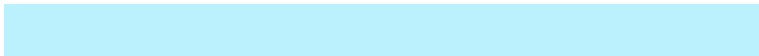
71.0325, 80.4452, 68.7439

# Triad

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



75.2103, 80.4452, 64.3868



69.5604, 80.4452, 104.5054



85.1467, 80.4452, 97.6452

# Complementary

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



75.2103, 80.4452, 64.3868



60.9743, 62.3625, 92.0432

# Split Complementary

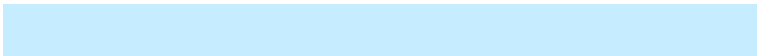
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1587, 80.4452, 109.6022



75.2103, 80.4452, 64.3868



73.1262, 80.4452, 113.8370

# Square

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



75.2103, 80.4452, 64.3868



67.8589, 80.4452, 91.2416



77.7250, 80.4452, 115.7918



85.7604, 80.4452, 84.0394

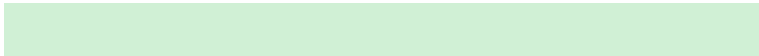


# Rectangle

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



75.2103, 80.4452, 64.3868



69.0524, 80.4452, 74.5835



77.7250, 80.4452, 115.7918



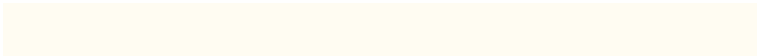
84.3809, 80.4452, 102.0296

# Sweetspot

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



75.2124, 80.4488, 64.3885



92.2387, 97.5540, 98.1697



67.4483, 63.1166, 67.3617



19.6608, 20.8083, 20.7018



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.



75.2124, 80.4488, 64.3885



83.7470, 89.7985, 66.8909



73.6985, 83.5239, 65.0619



16.8325, 17.8782, 16.7134



29.9605, 30.7192, 4.3503



2.5609, 2.6924, 0.3847



# Inverse Universe

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



60.9743, 62.3625, 92.0432



64.7144, 65.6239, 103.8636



62.2712, 59.9080, 91.5010



15.1590, 15.7521, 19.9631



9.2882, 4.8005, 45.5649

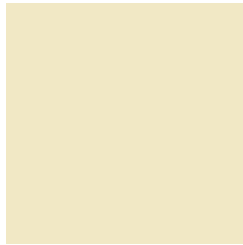


0.8414, 0.5367, 3.8135



# Previews

## White Background



This preview shows how the XYZ color 75.2103, 80.4452, 64.3868 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

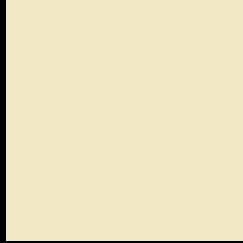
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.2103, 80.4452, 64.3868 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

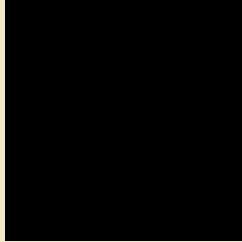
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 75.2103, 80.4452, 64.3868**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.2103, 80.4452, 64.3868.



This preview shows how white text looks on a background with the XYZ color 75.2103, 80.4452,

64.3868.

# 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

75.2103, 80.4452, 64.3868

### Protanopia

75.9622, 80.4161, 64.3416

### Deuteranopia

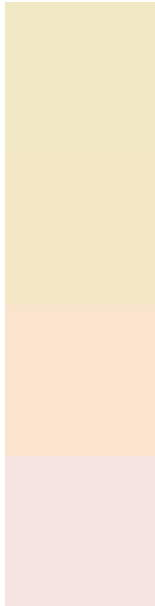
80.1942, 80.3559, 72.9116



## Tritanopia

81.4606, 80.0956, 95.9606

# Trichromacy



## Original Color

75.2103, 80.4452, 64.3868

## Protanomaly

75.6161, 80.2377, 64.3254

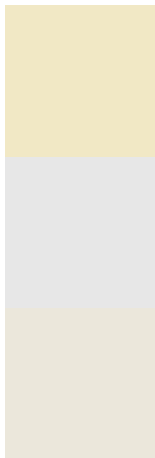
## Deuteranomaly

78.3083, 80.2670, 69.7583

## Tritanomaly

79.1271, 80.3903, 83.2979

# Monochromacy



## Original Color

75.2103, 80.4452, 64.3868

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.6230, 79.9285, 78.4598

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.2103, 80.4452, 64.3868 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(241, 232, 197)` looks like.

```
.text, #text, p{  
    color:rgb(241, 232, 197)  
}
```

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(241, 232, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 232, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 75.2103, 80.4452, 64.3868 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(241, 232, 197) }
```



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

```
.border{ border-color:rgb(241, 232, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 232, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 232, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 232, 197);  
box-shadow:4px 4px 4px 4px rgb(241, 232,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.2103, 80.4452, 64.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 232, 197) }
```

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

```
.background{ background-color: rgb(241,  
232, 197) }
```

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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