

# Converting Colors

XYZ(75.2122, 80.4855, 62.6101)

Have a look what the booklet for  
XYZ(75.2122, 80.4855, 62.6101)  
contains.

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# Color

**XYZ(75.2122, 80.4855,  
62.6101)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E8C2
RGB	242, 232, 194
RGB Percent	95%, 91%, 76%
CMY	0.0510, 0.0902, 0.2392
CMYK	0.00, 0.04, 0.20, 0.05
HSL	48°, 65%, 85%
HSV	48°, 20%, 95%
XYZ	75.2122, 80.4855, 62.6101
YIQ	230.6580, 18.1580, -9.6980

# Conversions

## Conversions Part 2

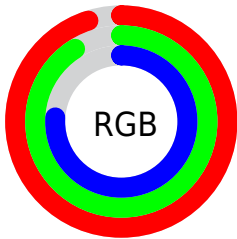
Format	Color
R <sub>Y</sub> B	207, 242, 194
Decimal	15919298
CIE Lab	91.90, -2.62, 19.73
CIE LCh	92, 19.900, 97.573
Yxy	80.4855, 0.3445, 0.3687
Android (android.graphics.Color)	4294109378 (0xFFFF2E8C2)
YUV	230.6580, -18.0724, 9.9469
Hunter-Lab	89.7137, -7.3521, 21.4218

# Details

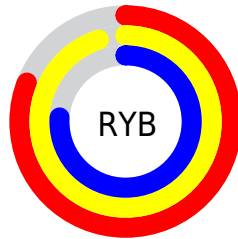
The XYZ color **75.2122, 80.4855, 62.6101** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.8678, 61.0646, 92.6363**, and the grayscale version is **75.8238, 79.7726, 86.8723**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **40.5087, 43.3832, 31.0497** is the 20% darker color. If you saturate the color by 10%, you get **71.3152, 76.6922, 48.9764**, and if you desaturate by 10%, it is **79.5968, 84.5444, 78.5919**.

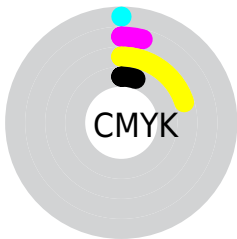
# Distribution



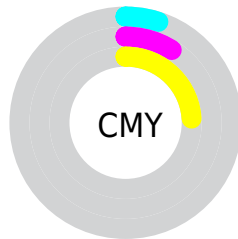
- Red (95%)
- Green (91%)
- Blue (76%)



- Red (81%)
- Yellow (95%)
- Blue (76%)



- Cyan (0%)
- Magenta (4%)
- Yellow (20%)
- Black (5%)



- Cyan (5%)
- Magenta (9%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2122, 80.4855, 62.6101 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 75.2122, 80.4855, 62.6101 by changing the saturation by 10% instead.



75.2122, 80.4855,  
62.6101

75.2122, 80.4855,  
62.6101

467.6326,  
496.5675, 452.2220

56.0815, 60.1180,  
45.0869

125.5990,  
134.0481, 110.1869

40.5056, 43.5137,  
31.1824

157.5858,  
168.0120, 141.0777

28.1189, 30.2884,  
20.4782

194.5888,  
207.2767, 177.2613

18.5562, 20.0576,  
12.5556

236.9732,  
252.2267, 219.1564

11.4522, 12.4369,  
6.9961

285.1044,  
303.2464, 267.1814

6.4414, 7.0420,  
3.3813

339.3478,

3.1585, 3.4884,

360.7202, 321.7550

1.2925

400.0688,  
425.0324, 383.2957

■ 1.2381, 1.3917,  
0.0556

■ 0.1361, 0.2106,  
0.0000

■ 75.2122, 80.4855,  
62.6101

■ 75.2122, 80.4855,  
62.6101

■ 71.3152, 76.6922,  
48.9764

■ 79.5968, 84.5444,  
78.5919

■ 67.8776, 73.1444,  
37.5728

■ 84.4829, 88.8669,  
97.0217

■ 64.8782, 69.8359,  
28.2788

■ 87.9668, 92.6945,  
107.8632

■ 62.2911, 66.7558,  
20.9607

■ 89.5297, 95.8204,  
108.3842

60.0877, 63.8921,  
15.4690

90.4282, 97.6174,  
108.6837

58.2352, 61.2311,  
11.6333

56.6948, 58.7566,  
9.2503

55.4026, 56.4426,  
7.9860

55.3821, 56.4051,  
7.9683

# Harmonies

## Analogous

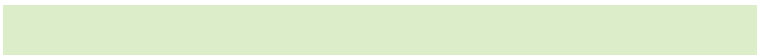
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3066, 80.4855, 64.1259



75.2122, 80.4855, 62.6101



70.6664, 80.4855, 67.1828

# Triad

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



75.2122, 80.4855, 62.6101



68.9775, 80.4855, 105.9257



85.9394, 80.4855, 98.8071

# Complementary

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



75.2122, 80.4855, 62.6101



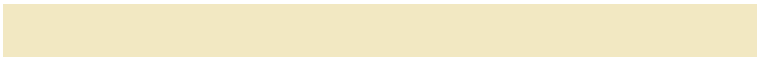
59.8678, 61.0646, 92.6363

# Split Complementary

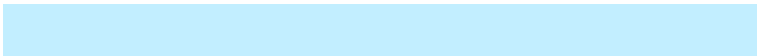
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6442, 80.4855, 111.8663



75.2122, 80.4855, 62.6101



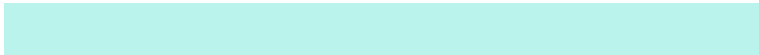
72.8138, 80.4855, 116.2846

# Square

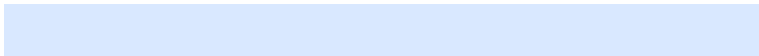
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.2122, 80.4855, 62.6101



67.1725, 80.4855, 91.3938



77.8005, 80.4855, 118.5715



86.6513, 80.4855, 83.9807

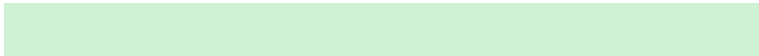


# Rectangle

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



75.2122, 80.4855, 62.6101



68.5066, 80.4855, 73.4041



77.8005, 80.4855, 118.5715



85.0902, 80.4855, 103.5957

# Sweetspot

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



75.2143, 80.4891, 62.6118



91.6757, 97.0375, 96.1029



66.8578, 61.8408, 65.7923



19.5465, 20.7024, 20.2850



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

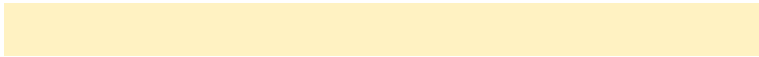


# Same Dimension

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



75.2143, 80.4891, 62.6118



82.7836, 88.8030, 63.6988



73.6125, 83.9595, 63.3661



16.8272, 17.8675, 16.7116



29.8533, 30.5048, 4.3146



2.5528, 2.6763, 0.3820



# Inverse Universe

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



59.8678, 61.0646, 92.6363



62.4493, 63.0677, 103.4896



61.2199, 58.3475, 92.0406



15.1639, 15.7620, 19.9647



9.3104, 4.8450, 45.5723

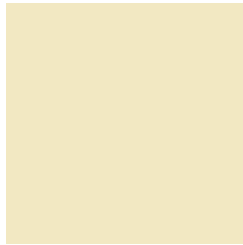


0.8439, 0.5418, 3.8143



# Previews

## White Background



This preview shows how the XYZ color 75.2122, 80.4855, 62.6101 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

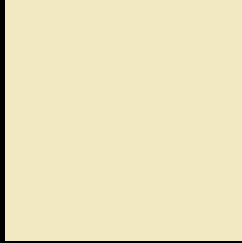
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.2122, 80.4855, 62.6101 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

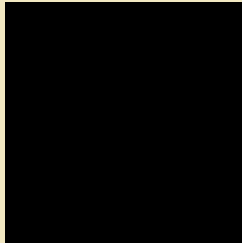
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

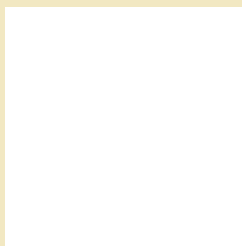
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.2122, 80.4855, 62.6101**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.2122, 80.4855, 62.6101.



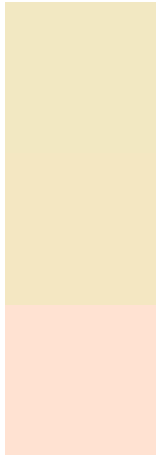
This preview shows how white text looks on a background with the XYZ color 75.2122, 80.4855,



# 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

75.2122, 80.4855, 62.6101

### Protanopia

75.6217, 80.2800, 62.5488

### Deuteranopia

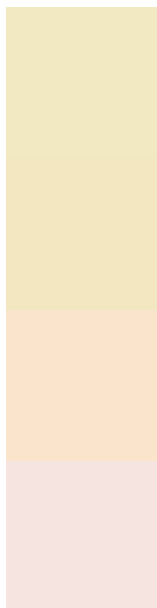
80.0692, 80.3059, 72.2532



## Tritanopia

81.8143, 80.2780, 95.9771

# Trichromacy



## Original Color

75.2122, 80.4855, 62.6101

## Protanomaly

75.2757, 80.1016, 62.5326

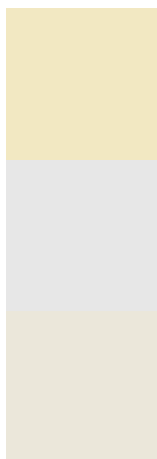
## Deuteranomaly

78.0668, 80.1704, 68.4866

## Tritanomaly

79.3400, 80.5159, 82.5936

# Monochromacy



## Original Color

75.2122, 80.4855, 62.6101

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.4918, 79.8760, 77.7684

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.2122, 80.4855, 62.6101 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(242, 232, 194)` looks like.

```
.text, #text, p{  
    color:rgb(242, 232, 194)  
}
```

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(242, 232, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 232, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 75.2122, 80.4855, 62.6101 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(242, 232, 194) }
```



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

```
.border{ border-color:rgb(242, 232, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 232, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 232, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 232, 194); box-shadow:4px 4px 4px 4px rgb(242, 232, 194) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.2122, 80.4855, 62.6101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 232, 194) }
```

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

```
.background{ background-color: rgb(242,  
232, 194) }
```

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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