

# Converting Colors

XYZ(72.8506, 78.6452, 52.9354)

Have a look what the booklet for XYZ(72.8506, 78.6452, 52.9354) contains.

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# **Color**

**XYZ(72.8506, 78.6452,  
52.9354)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E6B1
RGB	242, 230, 177
RGB Percent	95%, 90%, 69%
CMY	0.0510, 0.0980, 0.3059
CMYK	0.00, 0.05, 0.27, 0.05
HSL	49°, 71%, 82%
HSV	49°, 27%, 95%
XYZ	72.8506, 78.6452, 52.9354
YIQ	227.5460, 24.1650, -13.9390

# Conversions

## Conversions Part 2

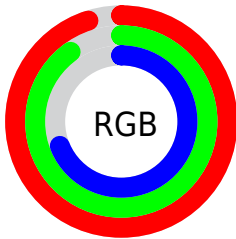
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 242, 177
Decimal	15918769
CIE <sub>Lab</sub>	91.07, -3.94, 27.35
CIE <sub>LCh</sub>	91, 27.630, 98.204
Yxy	78.6452, 0.3564, 0.3847
Android (android.graphics.Color)	4294108849 (0xFFFF2E6B1)
YUV	227.5460, -24.9192, 12.6762
Hunter-Lab	88.6821, -8.5595, 26.6866

# Details

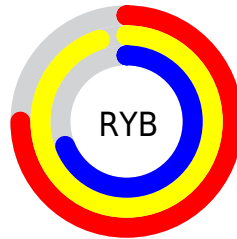
The XYZ color **72.8506, 78.6452, 52.9354** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.3558, 52.1518, 91.3116**, and the grayscale version is **73.5767, 77.4084, 84.2978**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **38.9756, 42.4295, 25.2043** is the 20% darker color. If you saturate the color by 10%, you get **69.4231, 75.3138, 40.9294**, and if you desaturate by 10%, it is **76.7418, 82.2185, 67.2081**.

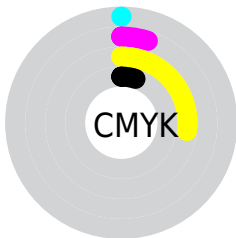
# Distribution



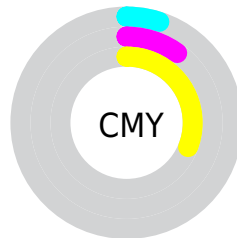
- Red (95%)
- Green (90%)
- Blue (69%)



- Red (75%)
- Yellow (95%)
- Blue (69%)



- Cyan (0%)
- Magenta (5%)
- Yellow (27%)
- Black (5%)



- Cyan (5%)
- Magenta (10%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8506, 78.6452, 52.9354 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 72.8506, 78.6452, 52.9354 by changing the saturation by 10% instead.



72.8506, 78.6452,  
52.9354

72.8506, 78.6452,  
52.9354

459.6087,  
490.3552, 415.0965

54.1418, 58.6041,  
37.3638

122.2694,  
131.4593, 95.9499

38.9461, 42.2945,  
25.1913

153.7100,  
165.0010, 124.2299

26.8984, 29.3320,  
15.9993

190.1253,  
203.8119, 157.5831

17.6331, 19.3321,  
9.3693

231.8805,  
248.2761, 196.4281

10.7850, 11.9105,  
4.8828

279.3412,  
298.7782, 241.1834

5.9887, 6.6828,  
2.1211

332.8725,

2.8788, 3.2645,

355.7025, 292.2675

0.6283

392.8399,  
419.4333, 350.0990

■ 1.0900, 1.2713,  
0.0000

■ 0.0167, 0.1188,  
0.0000

■ 72.8506, 78.6452,  
52.9354

■ 72.8506, 78.6452,  
52.9354

■ 69.4231, 75.3138,  
40.9294

■ 76.7418, 82.2185,  
67.2081

■ 66.4303, 72.2041,  
31.0660

■ 81.1119, 86.0320,  
83.8529

■ 63.8494, 69.3094,  
23.2168

■ 85.9825, 90.0973,  
102.9746

■ 61.6529, 66.6181,  
17.2377

■ 88.1952, 93.1515,  
107.9394

■ 59.8093, 64.1176,  
12.9653

■ 89.5837, 95.9285,  
108.4022

■ 58.2821, 61.7926,  
10.2078

■ 90.4281, 97.6173,  
108.6837

■ 57.0248, 59.6241,  
8.7214

■ 56.6624, 58.9660,  
8.3951

# Harmonies

## Analogous

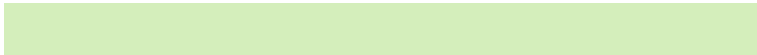
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8464, 78.6452, 54.6630



72.8506, 78.6452, 52.9354



66.7507, 78.6452, 58.8321

# Triad

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



72.8506, 78.6452, 52.9354



64.6888, 78.6452, 111.6787



87.9208, 78.6452, 100.7155

# Complementary

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



72.8506, 78.6452, 52.9354



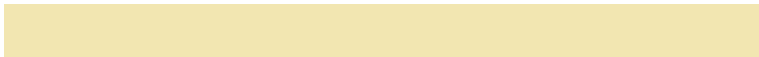
52.3558, 52.1518, 91.3116

# 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.



83.3639, 78.6452, 119.5372



72.8506, 78.6452, 52.9354



69.8751, 78.6452, 126.5215

# Square

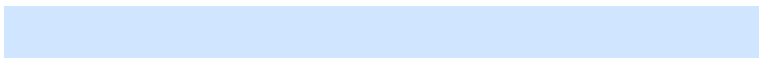
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8506, 78.6452, 52.9354



62.2341, 78.6452, 91.2354



76.6819, 78.6452, 129.6015



88.8404, 78.6452, 80.2614

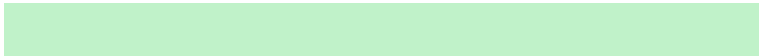


# Rectangle

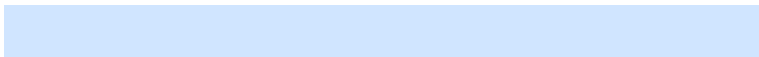
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8506, 78.6452, 52.9354



63.9104, 78.6452, 66.9284



76.6819, 78.6452, 129.6015



86.7506, 78.6452, 107.5292

# Sweetspot

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



72.8526, 78.6488, 52.9371



90.7485, 96.3767, 92.1142



61.6351, 54.0402, 55.8985



19.2595, 20.4871, 19.0837



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

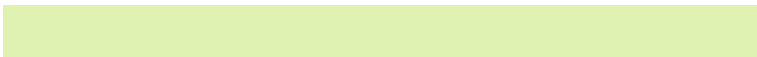
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8526, 78.6488, 52.9371



79.9647, 86.5787, 52.2352



69.9661, 82.2877, 53.7916



16.8605, 17.9340, 16.7227



30.5332, 31.8644, 4.5412



2.6037, 2.7780, 0.3990



# Inverse Universe

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



52.3558, 52.1518, 91.3116



53.4534, 52.3123, 101.8877



54.6453, 49.6591, 90.7098



15.1332, 15.7005, 19.9545



9.1785, 4.5812, 45.5284

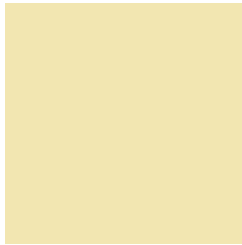


0.8286, 0.5112, 3.8092



# Previews

## White Background



This preview shows how the XYZ color 72.8506, 78.6452, 52.9354 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

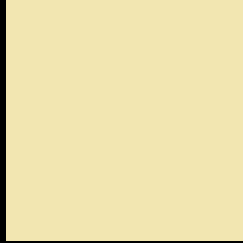
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.8506, 78.6452, 52.9354 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

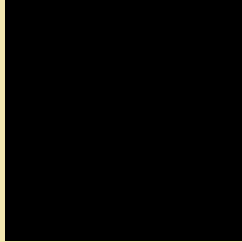
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.8506, 78.6452, 52.9354**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.8506, 78.6452, 52.9354.



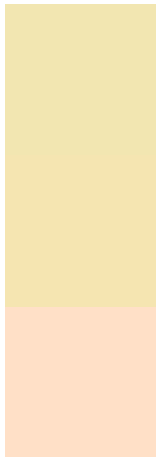
This preview shows how white text looks on a background with the XYZ color 72.8506, 78.6452,

52.9354.

# 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

72.8506, 78.6452, 52.9354

### Protanopia

73.6113, 78.6254, 52.8915

### Deuteranopia

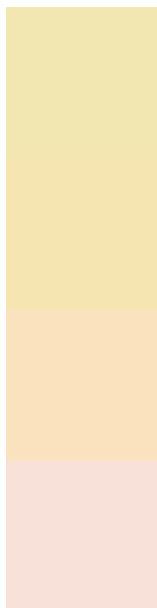
78.2045, 78.6948, 65.1006



## Tritanopia

81.1256, 78.7985, 92.5952

# Trichromacy



## Original Color

72.8506, 78.6452, 52.9354

## Protanomaly

73.2634, 78.4460, 52.8752

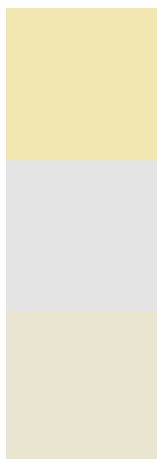
## Deuteranomaly

76.0247, 78.4783, 60.4311

## Tritanomaly

77.6777, 78.5825, 76.0396

# Monochromacy



## Original Color

72.8506, 78.6452, 52.9354

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.1322, 77.9657, 71.5160

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.8506, 78.6452, 52.9354 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, 230, 177)` looks like.

```
.text, #text, p{  
    color:rgb(242, 230, 177)  
}
```

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, 230, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 230, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 72.8506, 78.6452, 52.9354 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, 230, 177) }
```



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

```
.border{ border-color:rgb(242, 230, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 230, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 230, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 230, 177);  
box-shadow:4px 4px 4px 4px rgb(242, 230,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.8506, 78.6452, 52.9354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 230, 177) }
```

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

```
.background{ background-color: rgb(242,  
230, 177) }
```

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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