

# Converting Colors

XYZ(77.1280, 78.2166, 82.8327)

Have a look what the booklet for  
XYZ(77.1280, 78.2166, 82.8327)  
contains.

<b>XYZ(77.2706, 78.2187, 82.9766)</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(77.2706, 78.2187,  
82.9766)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2E1E2
RGB	242, 225, 226
RGB Percent	95%, 88%, 89%
CMY	0.0510, 0.1176, 0.1137
CMYK	0.00, 0.07, 0.07, 0.05
HSL	356°, 40%, 92%
HSV	356°, 7%, 95%
XYZ	77.2706, 78.2187, 82.9766
YIQ	230.1970, 9.8110, 3.9150

# Conversions

## Conversions Part 2

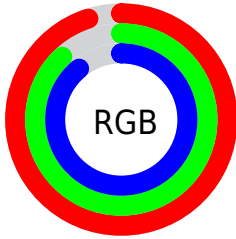
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 225, 226
Decimal	15917538
CIE <sub>Lab</sub>	90.88, 5.97, 1.59
CIE <sub>LCh</sub>	91, 6.175, 14.953
Yxy	78.2187, 0.3240, 0.3280
Android (android.graphics.Color)	4294107618 (0xFFFF2E1E2)
YUV	230.1970, -2.0691, 10.3512
Hunter-Lab	88.4413, 1.1819, 6.2824

# Details

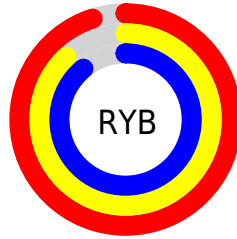
The XYZ color **77.2706, 78.2187, 82.9766** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.6836, 85.8646, 95.6498**, and the grayscale version is **75.3712, 79.2964, 86.3538**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9751, 42.1288, 44.4474** is the 20% darker color. If you saturate the color by 10%, you get **68.2653, 64.8825, 65.5626**, and if you desaturate by 10%, it is **87.6229, 93.5823, 102.8909**.

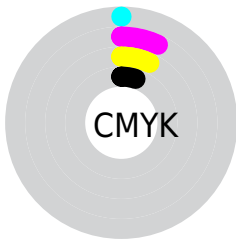
# Distribution



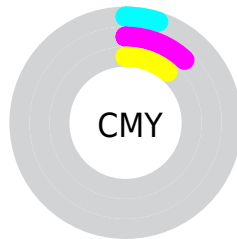
- Red (95%)
- Green (88%)
- Blue (89%)



- Red (95%)
- Yellow (88%)
- Blue (89%)



- Cyan (0%)
- Magenta (7%)
- Yellow (7%)
- Black (5%)



- Cyan (5%)
- Magenta (12%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2706, 78.2187, 82.9766 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 77.2706, 78.2187, 82.9766 by changing the saturation by 10% instead.



77.2706, 78.2187,  
82.9766

77.2706, 78.2187,  
82.9766

474.5640,  
488.9092, 524.8775

57.7757, 58.2537,  
61.6304

128.4922,  
130.8584, 139.3916

41.8709, 42.0126,  
44.3002

160.9496,  
164.3018, 175.2975

29.1909, 29.1112,  
30.5677

198.4586,  
203.0068, 216.8936

19.3703, 19.1649,  
20.0142

241.3844,  
247.3577, 264.5986

12.0437, 11.7895,  
12.2212

290.0925,  
297.7391, 318.8309

6.8459, 6.6005,  
6.7701

344.9483,

3.4114, 3.2135,

354.5352, 380.0091

3.2425

406.3169,  
418.1304, 448.5518

■ 1.3749, 1.2442,  
1.2197

■ 0.2382, 0.0974,  
0.0000

■ 77.2706, 78.2187,  
82.9766

■ 77.2706, 78.2187,  
82.9766

■ 68.2653, 64.8825,  
65.5626

■ 87.6229, 93.5823,  
102.8909

■ 60.5455, 53.4793,  
50.5451

■ 90.4283, 97.6174,  
108.6837

■ 54.0543, 43.9225,  
37.8209

■ 48.7285, 36.1151,  
27.2771

■ 44.4988, 29.9510,  
18.7912

■ 41.2888, 25.3127,  
12.2287

■ 39.0123, 22.0672,  
7.4390

■ 37.5687, 20.0586,  
4.2492

■ 36.8315, 19.0878,  
2.4506

# Harmonies

## Analogous

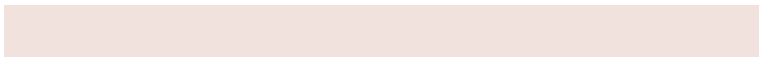
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2693, 78.2187, 87.4092



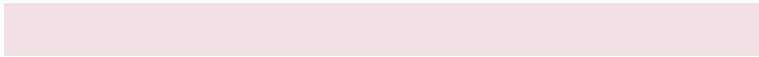
77.2706, 78.2187, 82.9766



76.4805, 78.2187, 79.2594

# Triad

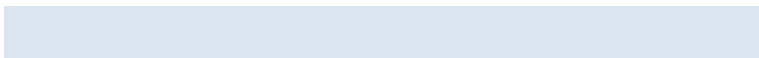
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2706, 78.2187, 82.9766



72.2521, 78.2187, 79.2499



73.5711, 78.2187, 93.7062

# Complementary

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



77.2706, 78.2187, 82.9766



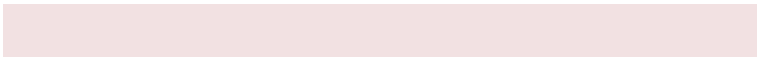
78.6836, 85.8646, 95.6498

# 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.



72.2487, 78.2187, 91.3608



77.2706, 78.2187, 82.9766



71.4945, 78.2187, 82.9632

# Square

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



77.2706, 78.2187, 82.9766



73.5758, 78.2187, 77.1594



71.4933, 78.2187, 87.3953



75.1186, 78.2187, 93.7101



# Rectangle

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



77.2706, 78.2187, 82.9766



75.6175, 78.2187, 77.6428



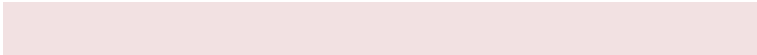
71.4933, 78.2187, 87.3953



73.0860, 78.2187, 93.1620

# Sweetspot

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



77.2728, 78.2221, 82.9783



92.6811, 96.4837, 104.3444



79.1846, 78.9420, 95.0691



19.8624, 20.6883, 22.3817



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

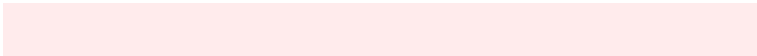


# Same Dimension

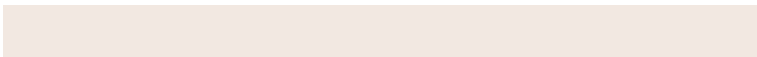
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2728, 78.2221, 82.9783



85.9445, 86.4921, 91.3658



79.1707, 82.2360, 82.9388



15.8103, 15.7738, 16.5575



19.7305, 10.1646, 1.2313



1.6545, 0.8508, 0.1714

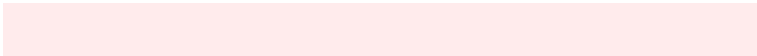


# Inverse Universe

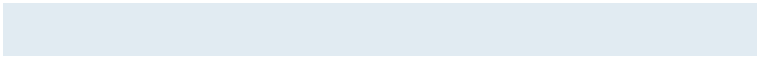
The Inverse Universe completely reimagines the original color for something new.



77.2728, 78.2221, 82.9783



85.9445, 86.4921, 91.3658



76.6847, 81.6281, 95.7193



15.8103, 15.7738, 16.5575



19.7305, 10.1646, 1.2313

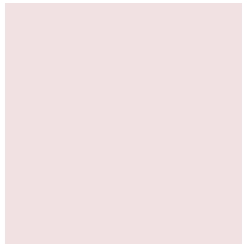


1.6545, 0.8508, 0.1714



# Previews

## White Background



This preview shows how the XYZ color 77.2706, 78.2187, 82.9766 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

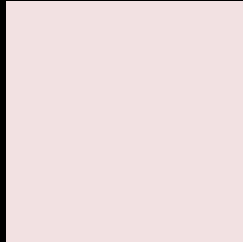
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2706, 78.2187, 82.9766 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

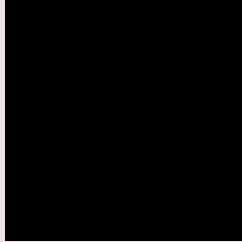
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

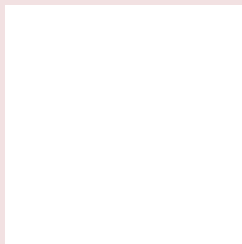
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.2706, 78.2187, 82.9766**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2706, 78.2187, 82.9766.



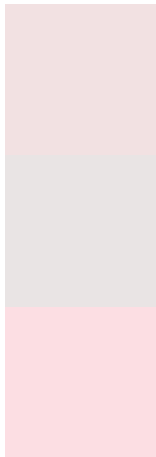
This preview shows how white text looks on a background with the XYZ color 77.2706, 78.2187,

82.9766.

# 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

77.2706, 78.2187, 82.9766

### Protanopia

75.3513, 78.4119, 84.5624

### Deuteranopia

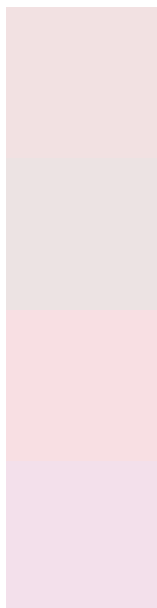
80.1313, 78.4841, 83.5986



## Tritanopia

79.4241, 78.2997, 93.3653

# Trichromacy



## Original Color

77.2706, 78.2187, 82.9766

## Protanomaly

75.9263, 78.3171, 83.7880

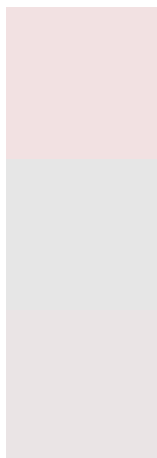
## Deuteranomaly

78.9642, 78.2779, 83.6203

## Tritanomaly

78.6132, 78.3642, 89.5797

# Monochromacy



## Original Color

77.2706, 78.2187, 82.9766

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.8179, 78.6364, 85.3110

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2706, 78.2187, 82.9766 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, 225, 226) looks like.

```
.text, #text, p{  
    color:rgb(242, 225, 226)  
}
```

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, 225, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 225, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2706, 78.2187, 82.9766 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, 225, 226) }
```



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

```
.border{ border-color:rgb(242, 225, 226) }
```

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

Here you see how a box with a 4 pixel rgb(242, 225, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 225, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 225, 226);  
box-shadow:4px 4px 4px 4px rgb(242, 225,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2706, 78.2187, 82.9766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 225, 226) }
```

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

```
.background{ background-color: rgb(242,  
225, 226) }
```

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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