

# Converting Colors

XYZ(77.3215, 87.9295, 72.4968)

Have a look what the booklet for  
XYZ(77.3215, 87.9295, 72.4968)  
contains.

<b>XYZ(77.2791, 87.8986, 72.5676)</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(77.2791, 87.8986,  
72.5676)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E6F7D0
RGB	230, 247, 208
RGB Percent	90%, 97%, 82%
CMY	0.0980, 0.0313, 0.1843
CMYK	0.07, 0.00, 0.16, 0.03
HSL	86°, 71%, 89%
HSV	86°, 16%, 97%
XYZ	77.2791, 87.8986, 72.5676
YIQ	237.4710, 2.3870, -15.7330

# Conversions

## Conversions Part 2

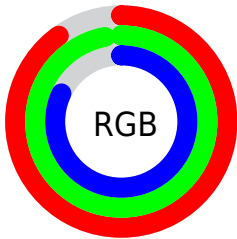
Format	Color
R <sub>Y</sub> B	208, 247, 225
Decimal	15136720
CIE Lab	95.12, -12.29, 16.88
CIE LCh	95, 20.881, 126.043
Yxy	87.8986, 0.3250, 0.3697
Android (android.graphics.Color)	4293326800 (0xFFE6F7D0)
YUV	237.4710, -14.5292, -6.5521
Hunter-Lab	93.7543, -16.9372, 19.7364

# Details

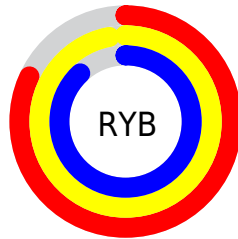
The XYZ color **77.2791, 87.8986, 72.5676** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.3992, 67.8371, 97.3838**, and the grayscale version is **80.9686, 85.1853, 92.7668**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9191, 48.5934, 37.7419** is the 20% darker color. If you saturate the color by 10%, you get **71.1246, 85.0527, 57.6326**, and if you desaturate by 10%, it is **84.1252, 91.0516, 90.0091**.

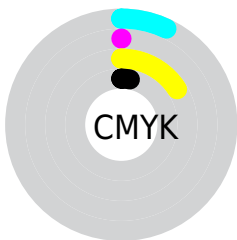
# Distribution



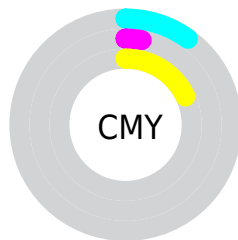
- Red (90%)
- Green (97%)
- Blue (82%)



- Red (82%)
- Yellow (97%)
- Blue (88%)



- Cyan (7%)
- Magenta (0%)
- Yellow (16%)
- Black (3%)



- Cyan (10%)
- Magenta (3%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2791, 87.8986, 72.5676 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 77.2791, 87.8986, 72.5676 by changing the saturation by 10% instead.



77.2791, 87.8986,  
72.5676

77.2791, 87.8986,  
72.5676

474.5925,  
521.1711, 488.5454

57.7827, 66.2391,  
53.1328

128.5041,  
144.4160, 124.5784

41.8766, 48.4665,  
37.5203

160.9635,  
180.0426, 157.9915

29.1953, 34.1965,  
25.3117

198.4745,  
221.0938, 196.9010

19.3737, 23.0446,  
16.0883

241.4026,  
267.9539, 241.7256

12.0462, 14.6264,  
9.4316

290.1131,  
321.0073, 292.8838

6.8476, 8.5576,  
4.9231

344.9713,

3.4124, 4.4538,

380.6383, 350.7942

2.1443

406.3426,  
447.2315, 415.8752

■ 1.3754, 1.9305,  
0.6419

■ 0.2386, 0.5666,  
0.0000

■ 77.2791, 87.8986,  
72.5676

■ 77.2791, 87.8986,  
72.5676

■ 71.1246, 85.0527,  
57.6326

■ 84.1252, 91.0516,  
90.0091

■ 65.6289, 82.4916,  
45.0830

■ 91.2906, 94.3545,  
108.0085

■ 60.7670, 80.2078,  
34.7967

■ 92.5525, 95.0051,  
108.0675

■ 56.5090, 78.1890,  
26.6381

■ 52.8225, 76.4215,  
20.4571

■ 49.6708, 74.8902,  
16.0844

■ 47.0120, 73.5780,  
13.3219

■ 44.7951, 72.4637,  
11.9246

■ 43.9632, 72.0414,  
11.5883

# Harmonies

## Analogous

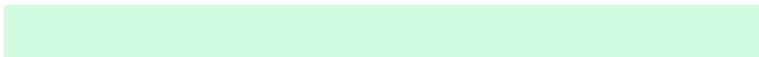
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3999, 87.8986, 67.8377



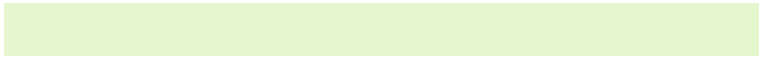
77.2791, 87.8986, 72.5676



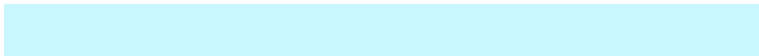
73.9519, 87.8986, 83.5539

# Triad

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



77.2791, 87.8986, 72.5676



79.1862, 87.8986, 127.2478



94.8891, 87.8986, 92.4496

# Complementary

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



77.2791, 87.8986, 72.5676



70.3992, 67.8371, 97.3838

# Split Complementary

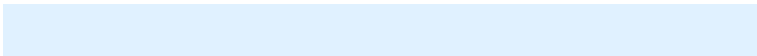
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.9338, 87.8986, 108.9841



77.2791, 87.8986, 72.5676



84.7007, 87.8986, 130.3216

# Square

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



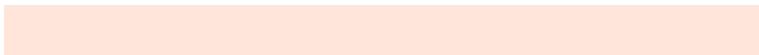
77.2791, 87.8986, 72.5676



75.0175, 87.8986, 115.3261



90.1407, 87.8986, 123.3056

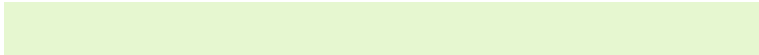


92.6953, 87.8986, 78.4489

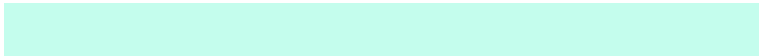


# Rectangle

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



77.2791, 87.8986, 72.5676



73.1113, 87.8986, 93.5635



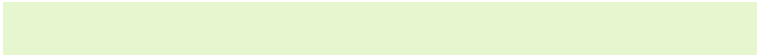
90.1407, 87.8986, 123.3056



94.9269, 87.8986, 97.8823

# Sweetspot

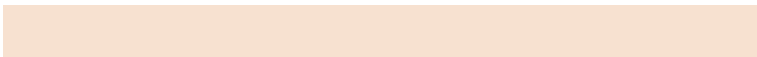
The Sweet Spot groups the original color and five complimentary colors.



77.2815, 87.9024, 72.5695



91.0490, 98.1668, 98.3507



76.6444, 78.1277, 70.7164



19.3712, 20.9580, 20.7459



0.0000, 0.0000, 0.0000

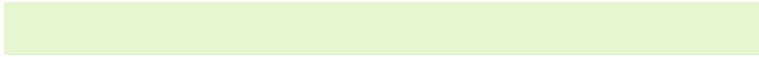


20.3446, 21.4041, 23.3091



# Same Dimension

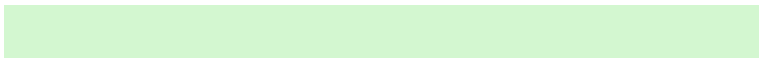
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2815, 87.9024, 72.5695



80.8589, 93.4746, 72.5241



71.3981, 84.8694, 72.2942



17.1766, 18.9331, 17.5467



23.4155, 38.1839, 6.1361



2.1758, 3.4167, 0.5448



# Inverse Universe

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



70.3992, 67.8371, 97.3838



72.1452, 68.0684, 103.9438



76.7949, 71.1342, 97.6831



16.2666, 16.2801, 20.8276



12.2856, 5.3078, 46.9150

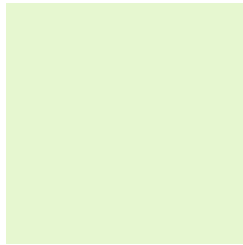


1.1955, 0.5261, 4.1288



# Previews

## White Background



This preview shows how the XYZ color 77.2791, 87.8986, 72.5676 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

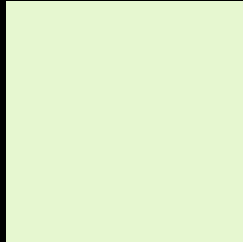
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2791, 87.8986, 72.5676 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

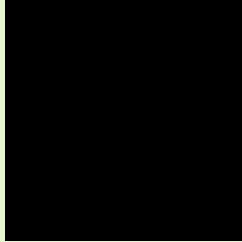
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

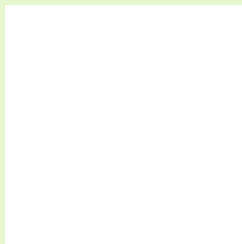
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.2791, 87.8986, 72.5676**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2791, 87.8986, 72.5676.



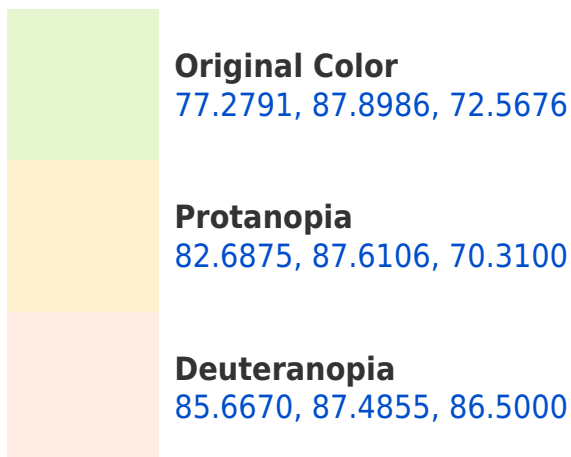
This preview shows how white text looks on a background with the XYZ color 77.2791, 87.8986,

72.5676.

# 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

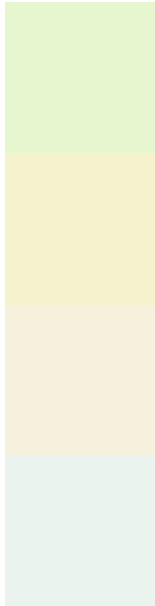




## Tritanopia

84.4700, 87.7173, 107.0868

# Trichromacy



## Original Color

77.2791, 87.8986, 72.5676

## Protanomaly

80.8474, 87.9699, 71.1113

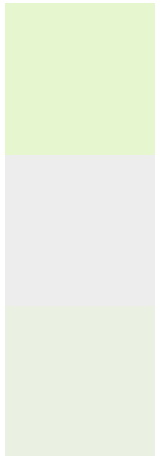
## Deuteranomaly

82.5125, 87.7239, 80.9901

## Tritanomaly

81.7442, 87.9364, 93.5540

# Monochromacy



## Original Color

77.2791, 87.8986, 72.5676

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

79.1144, 85.8940, 84.3609

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2791, 87.8986, 72.5676 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(230, 247, 208)` looks like.

```
.text, #text, p{  
    color:rgb(230, 247, 208)  
}
```

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(230, 247, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 247, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2791, 87.8986, 72.5676 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(230, 247, 208) }
```



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

```
.border{ border-color:rgb(230, 247, 208) }
```

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

Here you see how a box with a 4 pixel rgb(230, 247, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 247, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 247, 208);  
box-shadow:4px 4px 4px 4px rgb(230, 247,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2791, 87.8986, 72.5676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 247, 208) }
```

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

```
.background{ background-color: rgb(230,  
247, 208) }
```

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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