

Converting Colors

XYZ(77.3109, 85.3770, 78.2999)

Have a look what the booklet for
XYZ(77.3109, 85.3770, 78.2999)
contains.

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Color

**XYZ(77.2315, 85.5029,
78.0788)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F2D9
RGB	231, 242, 217
RGB Percent	91%, 95%, 85%
CMY	0.0941, 0.0510, 0.1490
CMYK	0.05, 0.00, 0.10, 0.05
HSL	86°, 49%, 90%
HSV	86°, 10%, 95%
XYZ	77.2315, 85.5029, 78.0788
YIQ	235.8610, 1.4690, -10.1070

Conversions

Conversions Part 2

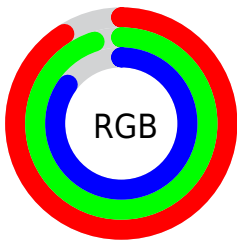
Format	Color
R_{YB}	217, 242, 228
Decimal	15200985
CIE _{Lab}	94.10, -7.99, 10.81
CIE _{LCh}	94, 13.445, 126.466
Yxy	85.5029, 0.3207, 0.3551
Android (android.graphics.Color)	4293391065 (0xFFE7F2D9)
YUV	235.8610, -9.2985, -4.2631
Hunter-Lab	92.4678, -12.7308, 14.6636

Details

The XYZ color **77.2315, 85.5029, 78.0788** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.8381, 72.5328, 94.1701**, and the grayscale version is **79.6926, 83.8428, 91.3048**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7597, 46.8404, 41.0226** is the 20% darker color. If you saturate the color by 10%, you get **70.9787, 82.6194, 62.5421**, and if you desaturate by 10%, it is **84.1599, 88.6863, 96.0602**.

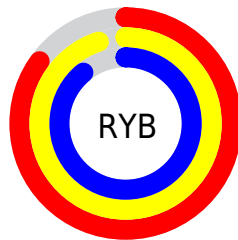
Distribution



Red (91%)

Green (95%)

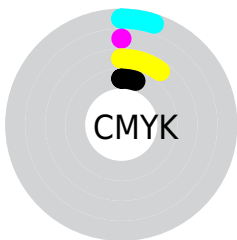
Blue (85%)



Red (85%)

Yellow (95%)

Blue (89%)

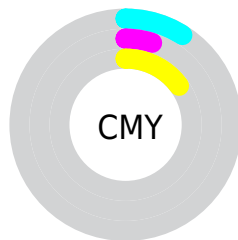


Cyan (5%)

Magenta (0%)

Yellow (10%)

Black (5%)



Cyan (9%)

Magenta (5%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2315, 85.5029, 78.0788 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 77.2315, 85.5029, 78.0788 by changing the saturation by 10% instead.

77.2315, 85.5029,
78.0788

77.2315, 85.5029,
78.0788

474.4328,
513.2907, 507.9694

57.7435, 64.2570,
57.6219

128.4373,
141.0756, 132.4481

41.8449, 46.8589,
41.0921

160.8858,
176.1712, 167.1975

29.1705, 32.9241,
28.0708

198.3852,
216.6521, 207.5482

19.3547, 22.0683,
18.1395

241.3009,
262.9027, 253.9187

12.0324, 13.9071,
10.8797

289.9981,
315.3075, 306.7275

6.8381, 8.0561,
5.8729

344.8422,

3.4065, 4.1309,

374.2509, 366.3932

2.7004

406.1987,
440.1171, 433.3343

■ 1.3722, 1.7470,
0.9436

■ 0.2363, 0.4538,
0.0000

■ 77.2315, 85.5029,
78.0788

■ 77.2315, 85.5029,
78.0788

■ 70.9787, 82.6194,
62.5421

■ 84.1599, 88.6863,
96.0602

■ 65.3707, 80.0148,
49.3389

■ 90.0585, 91.4797,
107.5185

■ 60.3846, 77.6823,
38.3578

■ 91.0438, 91.9876,
107.5646

■ 55.9933, 75.6105,
29.4760

■ 52.1671, 73.7872,
22.5589

■ 48.8736, 72.1988,
17.4563

■ 46.0756, 70.8301,
13.9961

■ 43.7300, 69.6632,
11.9732

■ 41.8256, 68.6998,
11.0560

Harmonies

Analogous

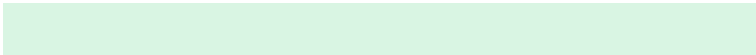
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4926, 85.5029, 74.7935



77.2315, 85.5029, 78.0788



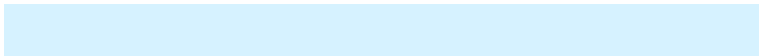
75.0985, 85.5029, 85.4209

Triad

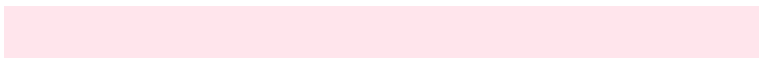
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2315, 85.5029, 78.0788



78.5411, 85.5029, 112.4372



88.3260, 85.5029, 90.8882

Complementary

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



77.2315, 85.5029, 78.0788



72.8381, 72.5328, 94.1701

Split Complementary

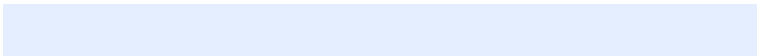
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7664, 85.5029, 101.2221



77.2315, 85.5029, 78.0788



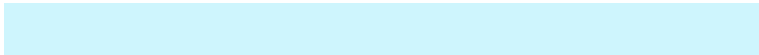
82.0483, 85.5029, 114.1692

Square

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



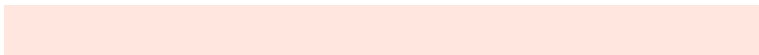
77.2315, 85.5029, 78.0788



75.8388, 85.5029, 105.3569



85.4426, 85.5029, 109.9297



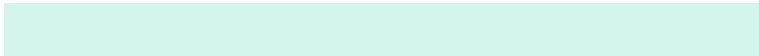
86.9502, 85.5029, 81.8292

Rectangle

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



77.2315, 85.5029, 78.0788



74.5671, 85.5029, 91.8841



85.4426, 85.5029, 109.9297



88.3586, 85.5029, 94.3227

Sweetspot

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



77.2338, 85.5066, 78.0807



92.6147, 98.8841, 102.4843



76.8430, 79.2852, 76.9004



19.6866, 21.1025, 21.5782



0.0000, 0.0000, 0.0000



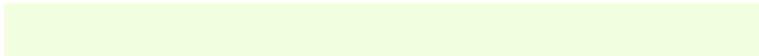
20.3446, 21.4041, 23.3091

Same Dimension

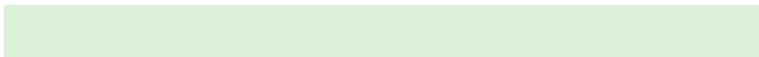
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2338, 85.5066, 78.0807



85.7266, 95.7182, 84.7630



73.3923, 83.5262, 77.9009



16.4125, 18.0928, 16.7769



22.6277, 36.9865, 5.9465



1.9965, 3.1358, 0.5000

Inverse Universe

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



72.8381, 72.5328, 94.1701



80.0287, 78.9008, 105.6191



76.8915, 74.6224, 94.3598



15.5574, 15.5691, 19.9068



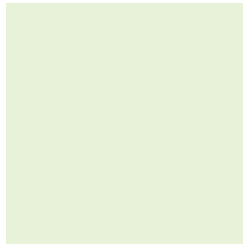
11.9864, 5.1846, 45.4968



1.1096, 0.4893, 3.7902

Previews

White Background



This preview shows how the XYZ color 77.2315, 85.5029, 78.0788 looks on a white background.

Color Contrast Check

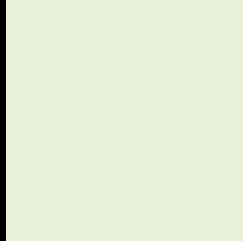
Large Text (above 18pt) WCAG AA × Fail

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 77.2315, 85.5029, 78.0788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

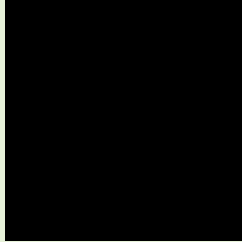
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

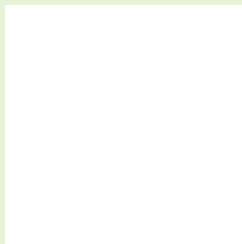
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2315, 85.5029, 78.0788

Background



This preview shows how black text looks on a background with the XYZ color 77.2315, 85.5029, 78.0788.

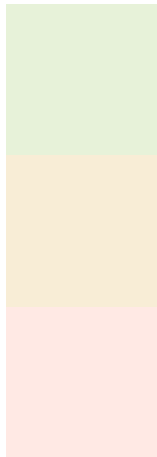


This preview shows how white text looks on a background with the XYZ color 77.2315, 85.5029,

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

77.2315, 85.5029, 78.0788

Protanopia

81.1332, 85.3799, 75.8221

Deuteranopia

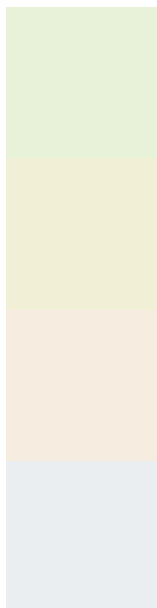
84.3825, 85.1393, 85.3849



Tritanopia

82.9705, 85.2154, 106.6829

Trichromacy



Original Color

77.2315, 85.5029, 78.0788

Protanomaly

79.7502, 85.5165, 76.5930

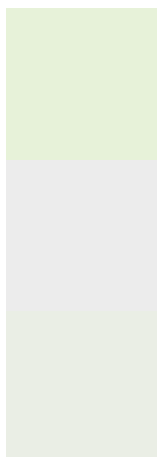
Deuteranomaly

81.4560, 84.9656, 82.6278

Tritanomaly

80.7127, 85.1621, 95.4030

Monochromacy



Original Color

77.2315, 85.5029, 78.0788

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.6491, 84.2986, 86.2548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2315, 85.5029, 78.0788 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(231, 242, 217) looks like.

```
.text, #text, p{  
    color:rgb(231, 242, 217)  
}
```

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(231, 242, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 242, 217) }
```

Border

The CSS property to change the border of an element to XYZ 77.2315, 85.5029, 78.0788 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(231, 242, 217) }
```


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

```
.border{ border-color:rgb(231, 242, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 242, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 242, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 242, 217);  
box-shadow:4px 4px 4px 4px rgb(231, 242,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2315, 85.5029, 78.0788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 242, 217) }
```

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

```
.background{ background-color: rgb(231,  
242, 217) }
```

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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