

Converting Colors

XYZ(77.5707, 85.0698, 82.4506)

Have a look what the booklet for
XYZ(77.5707, 85.0698, 82.4506)
contains.

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Color

**XYZ(77.4077, 85.0613,
82.1507)**

Conversions

Conversions Part 1

Format	Color
Hex	E6F1DF
RGB	230, 241, 223
RGB Percent	90%, 95%, 87%
CMY	0.0980, 0.0549, 0.1255
CMYK	0.05, 0.00, 0.07, 0.05
HSL	97°, 39%, 91%
HSV	97°, 7%, 95%
XYZ	77.4077, 85.0613, 82.1507
YIQ	235.6590, -0.7780, -7.9300

Conversions

Conversions Part 2

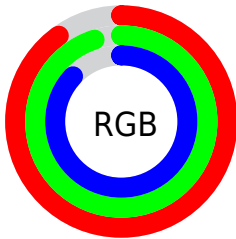
Format	Color
R _Y B	223, 241, 234
Decimal	15135199
CIE Lab	93.91, -6.82, 7.43
CIE LCh	94, 10.081, 132.557
Yxy	85.0613, 0.3164, 0.3477
Android (android.graphics.Color)	4293325279 (0xFFE6F1DF)
YUV	235.6590, -6.2409, -4.9629
Hunter-Lab	92.2287, -11.5848, 11.7488

Details

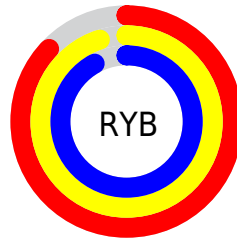
The XYZ color **77.4077, 85.0613, 82.1507** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.1999, 76.6210, 93.9967**, and the grayscale version is **79.5167, 83.6578, 91.1033**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8724, 46.5237, 43.8189** is the 20% darker color. If you saturate the color by 10%, you get **69.8582, 81.5209, 66.0259**, and if you desaturate by 10%, it is **85.8241, 89.0000, 100.7338**.

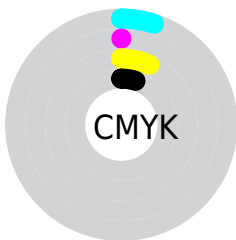
Distribution



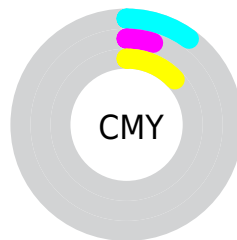
- Red (90%)
- Green (95%)
- Blue (87%)



- Red (87%)
- Yellow (95%)
- Blue (92%)



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



- Cyan (10%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4077, 85.0613, 82.1507 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 77.4077, 85.0613, 82.1507 by changing the saturation by 10% instead.

■ 77.4077, 85.0613,
82.1507

■ 77.4077, 85.0613,
82.1507

475.0236,
511.8309, 522.0483

■ 57.8886, 63.8920,
60.9532

128.6846,
140.4588, 138.2239

■ 41.9620, 46.5632,
43.7571

161.1732,
175.4559, 173.9367

■ 29.2625, 32.6905,
30.1438

198.7157,
215.8309, 215.3250

■ 19.4248, 21.8895,
19.6948

241.6773,
261.9685, 262.8074

■ 12.0835, 13.7757,
11.9915

290.4236,
314.2528, 316.8024

■ 6.8731, 7.9648,
6.6154

345.3199,

■ 3.4285, 4.0724,

373.0684, 377.7285

3.1480

406.7314,
438.7996, 446.0043

■ 1.3842, 1.7142,
1.1707

■ 0.2449, 0.4328,
0.0000

■ 77.4077, 85.0613,
82.1507

■ 77.4077, 85.0613,
82.1507

■ 69.8582, 81.5209,
66.0259

■ 85.8241, 89.0000,
100.7338

■ 63.1391, 78.3551,
52.2511

■ 90.7470, 91.3939,
107.4657

■ 57.2219, 75.5538,
40.7181

■ 52.0733, 73.1025,
31.3078

■ 47.6577, 70.9858,
23.8903

■ 43.9361, 69.1867,
18.3215

■ 40.8653, 67.6864,
14.4378

■ 38.3957, 66.4636,
12.0466

■ 36.4655, 65.4921,
10.8944

Harmonies

Analogous

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



79.7314, 85.0613, 78.9262



77.4077, 85.0613, 82.1507



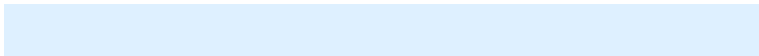
76.0238, 85.0613, 88.2569

Triad

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



77.4077, 85.0613, 82.1507



79.3110, 85.0613, 107.4461



85.9912, 85.0613, 89.4409

Complementary

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



77.4077, 85.0613, 82.1507



76.1999, 76.6210, 93.9967

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.



85.8725, 85.0613, 97.1190



77.4077, 85.0613, 82.1507



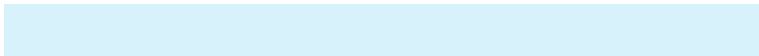
81.9755, 85.0613, 107.8066

Square

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



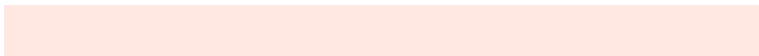
77.4077, 85.0613, 82.1507



77.1058, 85.0613, 102.9778



84.3892, 85.0613, 103.9372



84.7098, 85.0613, 82.9761

Rectangle

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



77.4077, 85.0613, 82.1507



75.8011, 85.0613, 93.2782



84.3892, 85.0613, 103.9372



86.1145, 85.0613, 91.9595

Sweetspot

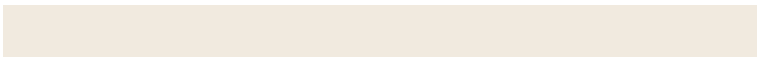
The Sweet Spot groups the original color and five complimentary colors.



77.4100, 85.0650, 82.1526



93.1021, 99.0894, 104.5795



78.9642, 82.7637, 81.6265



19.9481, 21.2188, 22.4295



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.



77.4100, 85.0650, 82.1526



86.5988, 96.0450, 90.3555



75.4526, 84.0277, 83.3349



16.1471, 17.9560, 16.7645



19.6840, 35.4690, 5.8088



1.7457, 3.0065, 0.4883

Inverse Universe

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



76.1999, 76.6210, 93.9967



84.9539, 84.5682, 106.4535



78.2761, 77.7222, 92.6967



15.8247, 15.7069, 19.9193



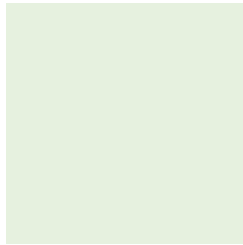
15.3200, 6.9031, 45.6529



1.3855, 0.6315, 3.8031

Previews

White Background



This preview shows how the XYZ color 77.4077, 85.0613, 82.1507 looks on a white background.

Color Contrast Check

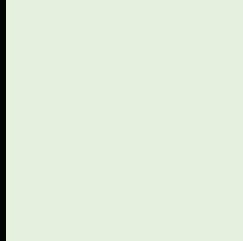
Large Text (above 18pt) WCAG AA × Fail

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 77.4077, 85.0613, 82.1507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

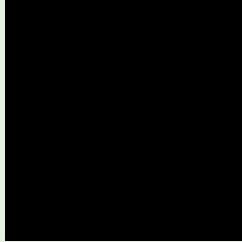
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

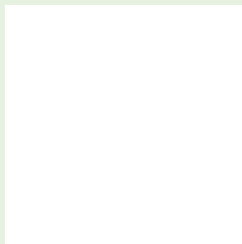
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4077, 85.0613, 82.1507

Background



This preview shows how black text looks on a background with the XYZ color 77.4077, 85.0613, 82.1507.



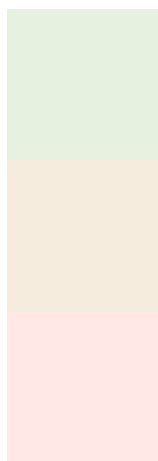
This preview shows how white text looks on a background with the XYZ color 77.4077, 85.0613,

82.1507.

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

77.4077, 85.0613, 82.1507

Protanopia

80.7028, 84.6238, 80.4872

Deuteranopia

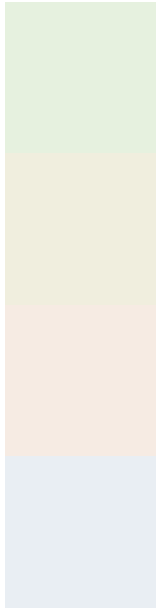
84.3795, 84.6864, 86.7617



Tritanopia

82.3064, 84.8731, 106.6519

Trichromacy



Original Color

77.4077, 85.0613, 82.1507

Protanomaly

79.6945, 84.9483, 81.3035

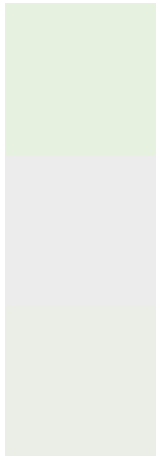
Deuteranomaly

81.5795, 84.5555, 84.6942

Tritanomaly

80.3565, 84.9438, 96.9546

Monochromacy



Original Color

77.4077, 85.0613, 82.1507

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.9300, 84.4110, 87.7342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4077, 85.0613, 82.1507 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, 241, 223) looks like.

```
.text, #text, p{  
    color:rgb(230, 241, 223)  
}
```

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, 241, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 241, 223) }
```

Border

The CSS property to change the border of an element to XYZ 77.4077, 85.0613, 82.1507 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, 241, 223) }
```


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

```
.border{ border-color:rgb(230, 241, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 241, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 241, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 241, 223);  
box-shadow:4px 4px 4px 4px rgb(230, 241,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4077, 85.0613, 82.1507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 241, 223) }
```

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

```
.background{ background-color: rgb(230,  
241, 223) }
```

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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