

Converting Colors

XYZ(77.5885, 85.1923, 78.7429)

Have a look what the booklet for
XYZ(77.5885, 85.1923, 78.7429)
contains.

XYZ(77.7145, 85.2962, 78.6975)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.7145, 85.2962,
78.6975)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F1DA
RGB	233, 241, 218
RGB Percent	91%, 95%, 85%
CMY	0.0863, 0.0549, 0.1451
CMYK	0.03, 0.00, 0.10, 0.05
HSL	81°, 45%, 90%
HSV	81°, 10%, 95%
XYZ	77.7145, 85.2962, 78.6975
YIQ	235.9860, 2.6150, -8.8490

Conversions

Conversions Part 2

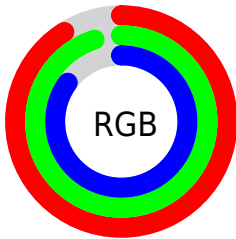
Format	Color
R_{YB}	218, 241, 226
Decimal	15331802
CIE _{Lab}	94.01, -6.64, 10.19
CIE _{LCh}	94, 12.159, 123.085
Yxy	85.2962, 0.3215, 0.3529
Android (android.graphics.Color)	4293521882 (0xFFE9F1DA)
YUV	235.9860, -8.8671, -2.6187
Hunter-Lab	92.3559, -11.4210, 14.1275

Details

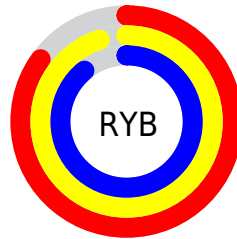
The XYZ color **77.7145, 85.2962, 78.6975** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.3159, 72.6647, 93.4378**, and the grayscale version is **79.7845, 83.9395, 91.4101**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0913, 46.6894, 41.4438** is the 20% darker color. If you saturate the color by 10%, you get **72.1151, 82.7504, 63.1524**, and if you desaturate by 10%, it is **83.9074, 88.1000, 96.6677**.

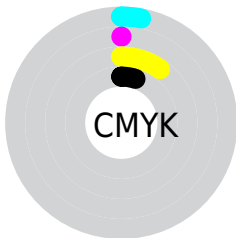
Distribution



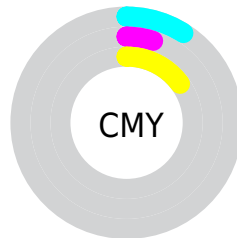
- Red (91%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (89%)



- Cyan (3%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)



- Cyan (9%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7145, 85.2962, 78.6975 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 77.7145, 85.2962, 78.6975 by changing the saturation by 10% instead.

77.7145, 85.2962,
78.6975

77.7145, 85.2962,
78.6975

476.0514,
512.6077, 510.1229

58.1414, 64.0862,
58.1273

129.1151,
140.7869, 133.3277

42.1661, 46.7205,
41.4956

161.6733,
175.8364, 168.2248

29.4230, 32.8147,
28.3839

199.2906,
216.2678, 208.7346

19.5470, 21.9845,
18.3737

242.3324,
262.4656, 255.2756

12.1725, 13.8455,
11.0464

291.1641,
314.8140, 308.2664

6.9343, 8.0133,
5.9835

346.1508,

3.4670, 4.1035,

373.6976, 368.1255

2.7664

407.6582,
439.5007, 435.2715

■ 1.4053, 1.7316,
0.9766

■ 0.2600, 0.4440,
0.0000

■ 77.7145, 85.2962,
78.6975

■ 77.7145, 85.2962,
78.6975

■ 72.1151, 82.7504,
63.1524

■ 83.9074, 88.1000,
96.6677

■ 67.0806, 80.4426,
49.9229

■ 88.8501, 90.4161,
107.3769

■ 62.5904, 78.3672,
38.8995

■ 90.7470, 91.3940,
107.4657

■ 58.6198, 76.5140,
29.9616

■ 55.1418, 74.8720,
22.9771

■ 52.1265, 73.4291,
17.7987

■ 49.5400, 72.1714,
14.2582

■ 47.3423, 71.0827,
12.1560

■ 45.4708, 70.1377,
11.1729

Harmonies

Analogous

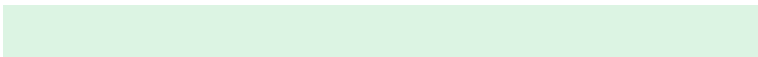
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7363, 85.2962, 76.1553



77.7145, 85.2962, 78.6975



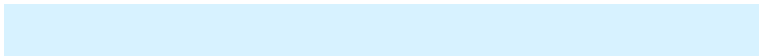
75.6367, 85.2962, 85.0204

Triad

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



77.7145, 85.2962, 78.6975



78.2811, 85.2962, 109.7270



87.4598, 85.2962, 91.9151

Complementary

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



77.7145, 85.2962, 78.6975



72.3159, 72.6647, 93.4378

Split Complementary

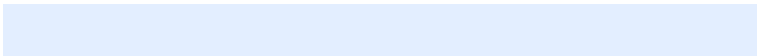
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7606, 85.2962, 101.1950



77.7145, 85.2962, 78.6975



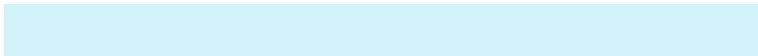
81.4076, 85.2962, 111.8741

Square

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



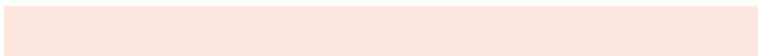
77.7145, 85.2962, 78.6975



75.9576, 85.2962, 102.9682



84.5238, 85.2962, 108.6562



86.4099, 85.2962, 83.4603

Rectangle

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



77.7145, 85.2962, 78.6975



75.0366, 85.2962, 90.7392



84.5238, 85.2962, 108.6562



87.4216, 85.2962, 95.0401

Sweetspot

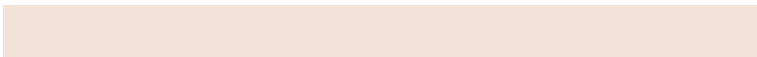
The Sweet Spot groups the original color and five complimentary colors.



77.7168, 85.2999, 78.6993



92.8700, 99.0157, 102.4963



76.0394, 77.9771, 77.3743



19.7556, 21.1381, 21.5814



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.



77.7168, 85.2999, 78.6993



87.3581, 96.5189, 86.6626



74.1861, 83.4797, 78.5341



16.5580, 18.1678, 16.7838



24.7638, 38.0877, 6.0465



2.1670, 3.2236, 0.5080

Inverse Universe

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



72.3159, 72.6647, 93.4378



80.3338, 80.0855, 105.8317



75.9324, 74.5291, 93.6071



15.4160, 15.4962, 19.9002



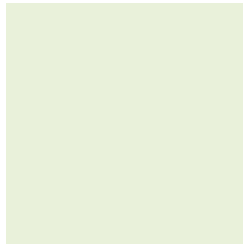
10.7167, 4.5301, 45.4374



0.9951, 0.4302, 3.7848

Previews

White Background



This preview shows how the XYZ color 77.7145, 85.2962, 78.6975 looks on a white background.

Color Contrast Check

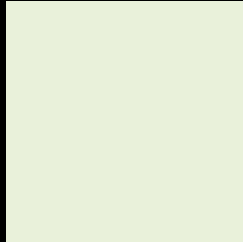
Large Text (above 18pt) WCAG AA × Fail

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 77.7145, 85.2962, 78.6975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

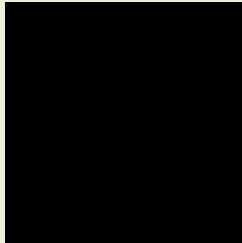
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

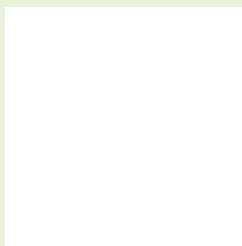
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7145, 85.2962, 78.6975

Background



This preview shows how black text looks on a background with the XYZ color 77.7145, 85.2962, 78.6975.



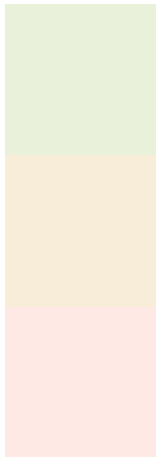
This preview shows how white text looks on a background with the XYZ color 77.7145, 85.2962,

78.6975.

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

77.7145, 85.2962, 78.6975

Protanopia

81.0366, 85.3004, 77.1593

Deuteranopia

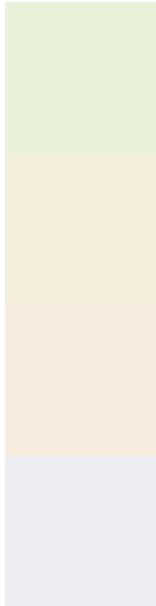
84.3825, 85.1393, 85.3849



Tritanopia

83.1447, 85.3238, 105.8529

Trichromacy



Original Color

77.7145, 85.2962, 78.6975

Protanomaly

79.7169, 85.0361, 77.8577

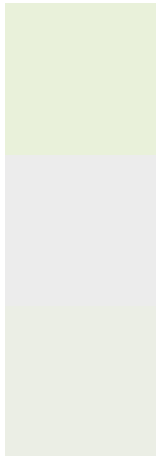
Deuteranomaly

81.8078, 85.1469, 82.6443

Tritanomaly

81.0438, 85.3328, 95.4185

Monochromacy



Original Color

77.7145, 85.2962, 78.6975

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.9783, 84.4684, 86.2702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7145, 85.2962, 78.6975 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(233, 241, 218)` looks like.

```
.text, #text, p{  
    color:rgb(233, 241, 218)  
}
```

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(233, 241, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 241, 218) }
```

Border

The CSS property to change the border of an element to XYZ 77.7145, 85.2962, 78.6975 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(233, 241, 218) }
```


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

```
.border{ border-color:rgb(233, 241, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 241, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 241, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 241, 218);  
box-shadow:4px 4px 4px 4px rgb(233, 241,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7145, 85.2962, 78.6975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 241, 218) }
```

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

```
.background{ background-color: rgb(233,  
241, 218) }
```

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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