

Converting Colors

XYZ(77.2346, 85.2149, 78.1605)

Have a look what the booklet for
XYZ(77.2346, 85.2149, 78.1605)
contains.

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Color

**XYZ(77.2584, 85.0762,
77.9950)**

Conversions

Conversions Part 1

Format	Color
Hex	E8F1D9
RGB	232, 241, 217
RGB Percent	91%, 95%, 85%
CMY	0.0902, 0.0549, 0.1490
CMYK	0.04, 0.00, 0.10, 0.05
HSL	83°, 46%, 90%
HSV	83°, 10%, 95%
XYZ	77.2584, 85.0762, 77.9950
YIQ	235.5730, 2.3400, -9.3720

Conversions

Conversions Part 2

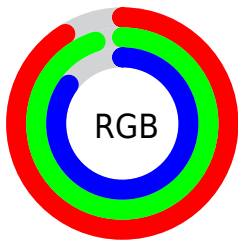
Format	Color
R _Y B	217, 241, 226
Decimal	15266265
CIE Lab	93.92, -7.15, 10.56
CIE LCh	94, 12.751, 124.086
Yxy	85.0762, 0.3215, 0.3540
Android (android.graphics.Color)	4293456345 (0xFFE8F1D9)
YUV	235.5730, -9.1565, -3.1335
Hunter-Lab	92.2368, -11.9010, 14.4304

Details

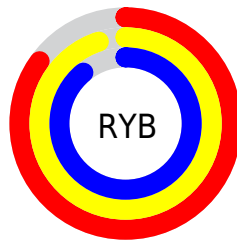
The XYZ color **77.2584, 85.0762, 77.9950** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.0574, 72.1476, 93.3517**, and the grayscale version is **79.4709, 83.6096, 91.0509**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7750, 46.5367, 40.9631** is the 20% darker color. If you saturate the color by 10%, you get **71.4908, 82.4416, 62.5392**, and if you desaturate by 10%, it is **83.6395, 87.9792, 95.8727**.

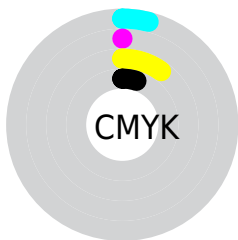
Distribution



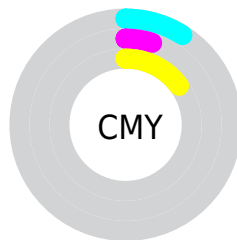
- Red (91%)
- Green (95%)
- Blue (85%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2584, 85.0762, 77.9950 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 77.2584, 85.0762, 77.9950 by changing the saturation by 10% instead.

■ 77.2584, 85.0762,
77.9950

■ 77.2584, 85.0762,
77.9950

474.5230,
511.8802, 507.6773

■ 57.7656, 63.9043,
57.5534

128.4751,
140.4796, 132.3289

■ 41.8628, 46.5732,
41.0374

160.9297,
175.4800, 167.0583

■ 29.1845, 32.6984,
28.0284

198.4357,
215.8587, 207.3874

■ 19.3654, 21.8955,
18.1078

241.3584,
262.0000, 253.7347

■ 12.0402, 13.7801,
10.8572

290.0631,
314.2884, 306.5189

■ 6.8435, 7.9679,
5.8579

344.9152,

■ 3.4098, 4.0744,

373.1084, 366.1583

2.6915

406.2800,
438.8441, 433.0716

■ 1.3740, 1.7153,
0.9391

■ 0.2376, 0.4335,
0.0000

■ 77.2584, 85.0762,
77.9950

■ 77.2584, 85.0762,
77.9950

■ 71.4908, 82.4416,
62.5392

■ 83.6395, 87.9792,
95.8727

■ 66.3078, 80.0551,
49.3955

■ 88.9611, 90.4734,
107.3821

■ 61.6881, 77.9110,
38.4540

■ 90.7470, 91.3940,
107.4657

■ 57.6064, 75.9987,
29.5937

■ 54.0352, 74.3070,
22.6819

■ 50.9439, 72.8233,
17.5705

■ 48.2978, 71.5334,
14.0904

■ 46.0561, 70.4208,
12.0401

■ 44.1521, 69.4585,
11.0826

Harmonies

Analogous

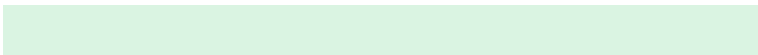
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3981, 85.0762, 75.2070



77.2584, 85.0762, 77.9950



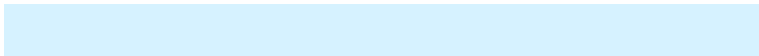
75.1312, 85.0762, 84.7001

Triad

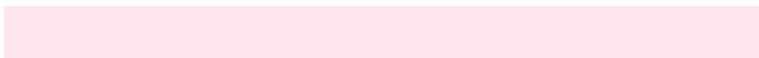
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2584, 85.0762, 77.9950



78.0426, 85.0762, 110.4894



87.5508, 85.0762, 91.3077

Complementary

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



77.2584, 85.0762, 77.9950



72.0574, 72.1476, 93.3517

Split Complementary

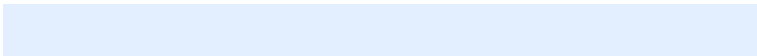
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8779, 85.0762, 101.0475



77.2584, 85.0762, 77.9950



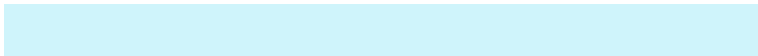
81.3284, 85.0762, 112.5633

Square

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



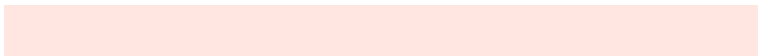
77.2584, 85.0762, 77.9950



75.5750, 85.0762, 103.5124



84.5767, 85.0762, 108.9978



86.3908, 85.0762, 82.5449

Rectangle

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



77.2584, 85.0762, 77.9950



74.5407, 85.0762, 90.7202



84.5767, 85.0762, 108.9978



87.5317, 85.0762, 94.5735

Sweetspot

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



77.2607, 85.0799, 77.9968



92.7946, 98.9768, 102.4928



75.9451, 77.9974, 76.6991



19.7352, 21.1276, 21.5804



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.



77.2607, 85.0799, 77.9968



86.4111, 96.0711, 84.7950



73.5581, 83.1711, 77.8236



16.5149, 18.1456, 16.7817



24.0917, 37.7413, 6.0150



2.1140, 3.1963, 0.5055

Inverse Universe

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



72.0574, 72.1476, 93.3517



79.3652, 78.5587, 105.5881



75.8859, 74.1213, 93.5309



15.4575, 15.5176, 19.9021



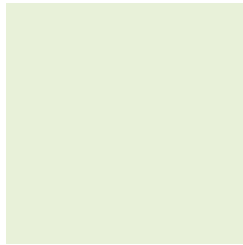
11.0552, 4.7046, 45.4533



1.0265, 0.4464, 3.7863

Previews

White Background



This preview shows how the XYZ color 77.2584, 85.0762, 77.9950 looks on a white background.

Color Contrast Check

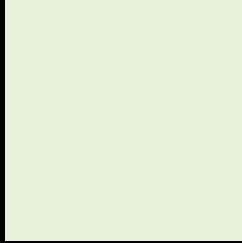
Large Text (above 18pt) WCAG AA × Fail

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 77.2584, 85.0762, 77.9950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

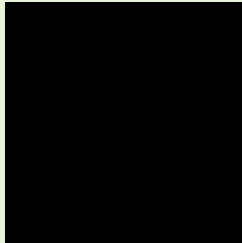
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

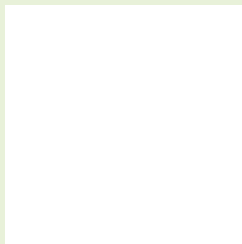
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2584, 85.0762, 77.9950

Background



This preview shows how black text looks on a background with the XYZ color 77.2584, 85.0762, 77.9950.



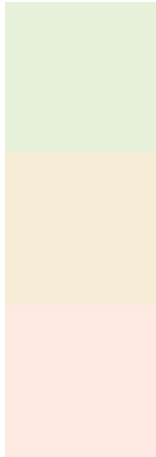
This preview shows how white text looks on a background with the XYZ color 77.2584, 85.0762, 77.9950.

77.9950.

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

77.2584, 85.0762, 77.9950

Protanopia

80.9077, 85.2488, 76.4804

Deuteranopia

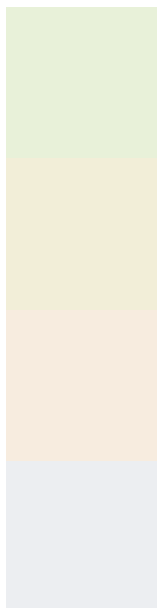
84.2440, 85.0839, 84.6557



Tritanopia

83.1447, 85.3238, 105.8529

Trichromacy



Original Color

77.2584, 85.0762, 77.9950

Protanomaly

79.5872, 84.9842, 77.1746

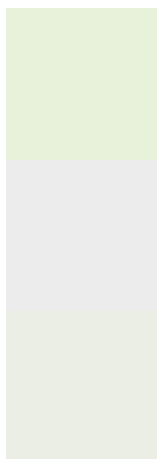
Deuteranomaly

81.6725, 85.0928, 81.9320

Tritanomaly

81.0438, 85.3328, 95.4185

Monochromacy



Original Color

77.2584, 85.0762, 77.9950

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 77.2584, 85.0762, 77.9950 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(232, 241, 217) looks like.

```
.text, #text, p{  
    color:rgb(232, 241, 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(232, 241, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 241, 217) }
```

Border

The CSS property to change the border of an element to XYZ 77.2584, 85.0762, 77.9950 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(232, 241, 217) }
```


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

```
.border{ border-color:rgb(232, 241, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 241, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 241, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 241, 217);  
box-shadow:4px 4px 4px 4px rgb(232, 241,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2584, 85.0762, 77.9950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 241, 217) }
```

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

```
.background{ background-color: rgb(232,  
241, 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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