

Converting Colors

XYZ(77.5017, 85.4151, 68.2740)

Have a look what the booklet for
XYZ(77.5017, 85.4151, 68.2740)
contains.

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Color

**XYZ(77.3759, 85.3520,
68.2736)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF1CA
RGB	238, 241, 202
RGB Percent	93%, 95%, 79%
CMY	0.0667, 0.0549, 0.2078
CMYK	0.01, 0.00, 0.16, 0.05
HSL	65°, 58%, 87%
HSV	65°, 16%, 95%
XYZ	77.3759, 85.3520, 68.2736
YIQ	235.6570, 10.7310, -12.7650

Conversions

Conversions Part 2

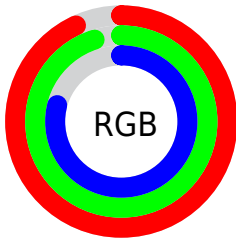
Format	Color
R _Y B	202, 241, 205
Decimal	15659466
CIE Lab	94.03, -7.42, 18.53
CIE LCh	94, 19.962, 111.823
Yxy	85.3520, 0.3350, 0.3695
Android (android.graphics.Color)	4293849546 (0xFFEEF1CA)
YUV	235.6570, -16.5929, 2.0548
Hunter-Lab	92.3861, -12.1772, 20.8548

Details

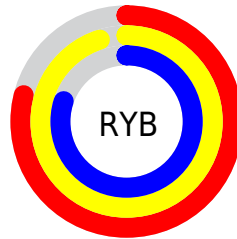
The XYZ color **77.3759, 85.3520, 68.2736** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.1778, 61.5734, 91.8314**, and the grayscale version is **79.5856, 83.7302, 91.1822**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9857, 46.7811, 34.8338** is the 20% darker color. If you saturate the color by 10%, you get **74.1230, 83.9820, 54.3711**, and if you desaturate by 10%, it is **81.0855, 86.9111, 84.5272**.

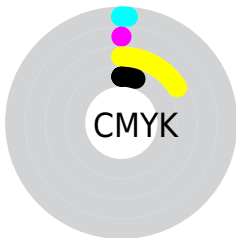
Distribution



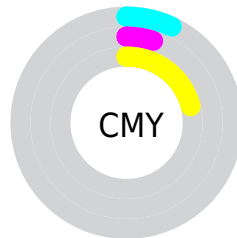
- Red (93%)
- Green (95%)
- Blue (79%)



- Red (79%)
- Yellow (95%)
- Blue (80%)



- Cyan (1%)
- Magenta (0%)
- Yellow (16%)
- Black (5%)



- Cyan (7%)
- Magenta (5%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3759, 85.3520, 68.2736 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 77.3759, 85.3520, 68.2736 by changing the saturation by 10% instead.

■ 77.3759, 85.3520,
68.2736

■ 77.3759, 85.3520,
68.2736

474.9170,
512.7921, 473.0891

■ 57.8624, 64.1323,
49.6523

128.6400,
140.8649, 118.4014

■ 41.9409, 46.7578,
34.7679

161.1213,
175.9268, 150.7449

■ 29.2459, 32.8442,
23.2021

198.6560,
216.3716, 188.4996

■ 19.4122, 22.0071,
14.5361

241.6094,
262.5836, 232.0840

■ 12.0742, 13.8622,
8.3515

290.3468,
314.9473, 281.9166

■ 6.8668, 8.0249,
4.2297

345.2337,

■ 3.4245, 4.1109,

373.8470, 338.4159

1.7522

406.6353,
439.6671, 402.0006

■ 1.3820, 1.7358,
0.3961

■ 0.2434, 0.4467,
0.0000

■ 77.3759, 85.3520,
68.2736

■ 77.3759, 85.3520,
68.2736

■ 74.1230, 83.9820,
54.3711

■ 81.0855, 86.9111,
84.5272

■ 71.2993, 82.7817,
42.7055

■ 85.2643, 88.6557,
103.2280

■ 68.8849, 81.7457,
33.1616

■ 86.6667, 89.2906,
107.2747

■ 66.8554, 80.8645,
25.6115

■ 87.3127, 89.6236,
107.3050

65.1839, 80.1272,
19.9136

87.9653, 89.9601,
107.3355

63.8401, 79.5217,
15.9077

88.6245, 90.2999,
107.3663

62.7882, 79.0337,
13.4066

89.2901, 90.6430,
107.3975

61.9841, 78.6455,
12.1773

89.9623, 90.9896,
107.4290

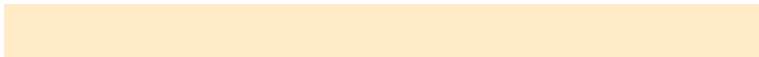
61.7156, 78.5130,
11.9018

90.6411, 91.3395,
107.4607

Harmonies

Analogous

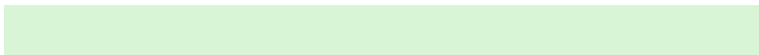
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5902, 85.3520, 66.8152



77.3759, 85.3520, 68.2736



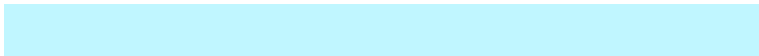
73.3356, 85.3520, 75.9551

Triad

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



77.3759, 85.3520, 68.2736



74.9565, 85.3520, 117.9553



91.6920, 85.3520, 97.1691

Complementary

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



77.3759, 85.3520, 68.2736



62.1778, 61.5734, 91.8314

Split Complementary

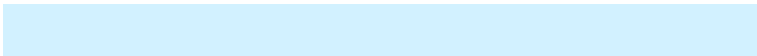
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.4462, 85.3520, 112.2711



77.3759, 85.3520, 68.2736



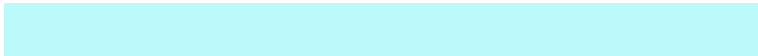
79.6763, 85.3520, 125.1012

Square

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



77.3759, 85.3520, 68.2736



71.9820, 85.3520, 104.2714



84.9923, 85.3520, 122.9145



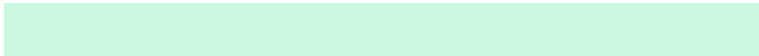
91.0102, 85.3520, 82.4493

Rectangle

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



77.3759, 85.3520, 68.2736



71.7763, 85.3520, 84.0794



84.9923, 85.3520, 122.9145



91.2511, 85.3520, 102.3890

Sweetspot

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



77.3782, 85.3558, 68.2754



92.7041, 99.0200, 98.4281



68.6749, 66.4388, 65.0828



19.7743, 21.1658, 20.7648



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

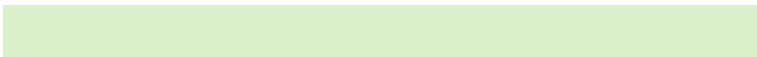
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3782, 85.3558, 68.2754



86.8476, 96.5619, 72.8044



71.3024, 82.2236, 67.9911



16.9957, 18.3935, 16.8042



33.5175, 42.6005, 6.4562



2.8238, 3.5622, 0.5388

Inverse Universe

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



62.1778, 61.5734, 91.8314



66.9129, 65.3711, 103.6989



67.7719, 64.4572, 92.0932



15.0101, 15.2869, 19.8812



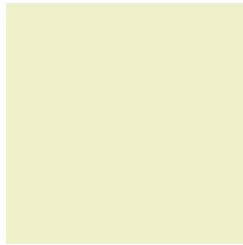
8.7932, 3.5385, 45.3474



0.7704, 0.3144, 3.7743

Previews

White Background



This preview shows how the XYZ color 77.3759, 85.3520, 68.2736 looks on a white background.

Color Contrast Check

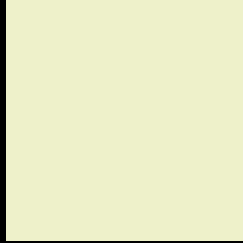
Large Text (above 18pt) WCAG AA × Fail

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 77.3759, 85.3520, 68.2736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

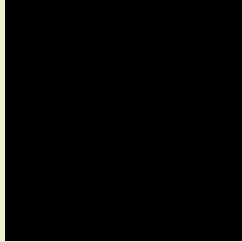
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

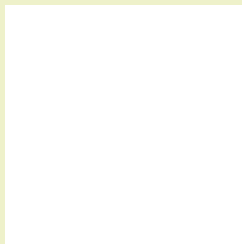
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.3759, 85.3520, 68.2736

Background



This preview shows how black text looks on a background with the XYZ color 77.3759, 85.3520, 68.2736.

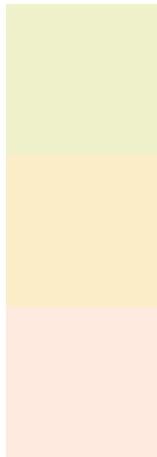


This preview shows how white text looks on a background with the XYZ color 77.3759, 85.3520,

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

77.3759, 85.3520, 68.2736

Protanopia

80.1339, 85.0625, 66.8388

Deuteranopia

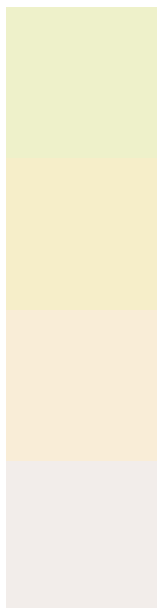
83.9821, 85.4334, 81.8760



Tritanopia

84.6497, 85.2864, 104.0959

Trichromacy



Original Color

77.3759, 85.3520, 68.2736

Protanomaly

79.1232, 84.9589, 67.4868

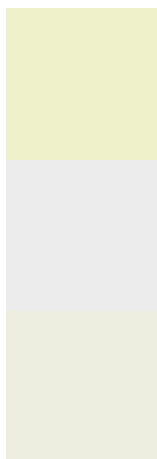
Deuteranomaly

81.6168, 85.6144, 76.5135

Tritanomaly

81.7534, 85.3861, 90.0142

Monochromacy



Original Color

77.3759, 85.3520, 68.2736

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.9541, 84.5354, 82.6766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3759, 85.3520, 68.2736 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(238, 241, 202)` looks like.

```
.text, #text, p{  
    color:rgb(238, 241, 202)  
}
```

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(238, 241, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 241, 202) }
```

Border

The CSS property to change the border of an element to XYZ 77.3759, 85.3520, 68.2736 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(238, 241, 202) }
```


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

```
.border{ border-color:rgb(238, 241, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 241, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 241, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 241, 202);  
box-shadow:4px 4px 4px 4px rgb(238, 241,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3759, 85.3520, 68.2736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 241, 202) }
```

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

```
.background{ background-color: rgb(238,  
241, 202) }
```

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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