

Converting Colors

XYZ(83.5110, 91.4677, 91.5491)

Have a look what the booklet for
XYZ(83.5110, 91.4677, 91.5491)
contains.

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Color

**XYZ(83.7961, 91.7540,
91.8910)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF9EB
RGB	237, 249, 235
RGB Percent	93%, 98%, 92%
CMY	0.0706, 0.0235, 0.0784
CMYK	0.05, 0.00, 0.06, 0.02
HSL	111°, 54%, 95%
HSV	111°, 6%, 98%
XYZ	83.7961, 91.7540, 91.8910
YIQ	243.8160, -2.6580, -6.8980

Conversions

Conversions Part 2

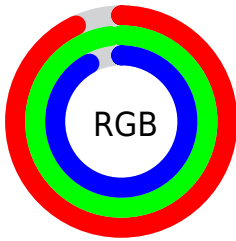
Format	Color
R _Y B	235, 249, 247
Decimal	15596011
CIE Lab	96.72, -6.42, 5.34
CIE LCh	97, 8.354, 140.253
Yxy	91.7540, 0.3133, 0.3431
Android (android.graphics.Color)	4293786091 (0xFFEDF9EB)
YUV	243.8160, -4.3463, -5.9776
Hunter-Lab	95.7883, -11.4768, 10.1741

Details

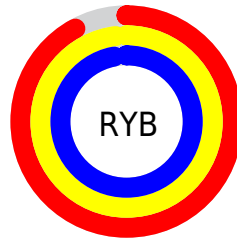
The XYZ color **83.7961, 91.7540, 91.8910** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.1685, 86.0328, 101.7443**, and the grayscale version is **85.8793, 90.3517, 98.3930**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2627, 51.2184, 50.0957** is the 20% darker color. If you saturate the color by 10%, you get **73.7405, 86.9598, 73.9373**, and if you desaturate by 10%, it is **93.1674, 96.2349, 108.2725**.

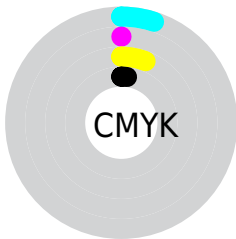
Distribution



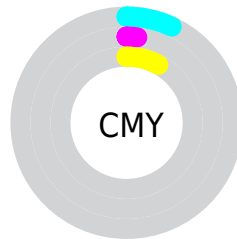
- Red (93%)
- Green (98%)
- Blue (92%)



- Red (92%)
- Yellow (98%)
- Blue (97%)



- Cyan (5%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)





- Cyan (7%)
- Magenta (2%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7961, 91.7540, 91.8910 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 83.7961, 91.7540, 91.8910 by changing the saturation by 10% instead.


 83.7961, 91.7540,
91.8910

 83.7961, 91.7540,
91.8910


496.1798,
533.7202, 554.8912

 63.1662, 69.4363,
68.9676


137.6127,
149.7724, 151.9207

 46.2349, 51.0671,
50.2137


171.5301,
186.2419, 189.8640

 32.6366, 36.2620,
35.2109


210.6074,
228.1975, 233.6511

 22.0061, 24.6366,
23.5405

255.2099,
276.0235, 283.7005

 13.9780, 15.8065,
14.7841

305.7031,
330.1044, 340.4306

 8.1870, 9.3874,
8.5230

362.4522,

 4.2676, 4.9947,

390.8246, 404.2601

4.3389

425.8227,
458.5683, 475.6074

■ 1.8546, 2.2442,
1.8130

■ 0.5503, 0.7439,
0.4365

■ 83.7961, 91.7540,
91.8910

■ 83.7961, 91.7540,
91.8910

■ 73.7405, 86.9598,
73.9373

■ 93.1674, 96.2349,
108.2725

■ 64.9839, 82.7768,
58.5626

■ 57.4752, 79.1839,
45.6503

■ 51.1571, 76.1544,
35.0724

■ 45.9677, 73.6594,
26.6896

■ 41.8394, 71.6673,
20.3475

■ 38.6972, 70.1432,
15.8718

■ 36.4560, 69.0477,
13.0590

■ 35.0150, 68.3344,
11.6579

Harmonies

Analogous

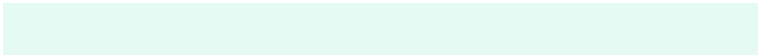
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6614, 91.7540, 88.2983



83.7961, 91.7540, 91.8910



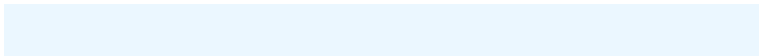
82.8505, 91.7540, 97.7391

Triad

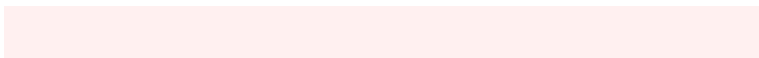
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7961, 91.7540, 91.8910



86.4500, 91.7540, 113.1477



91.4984, 91.7540, 95.5107

Complementary

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



83.7961, 91.7540, 91.8910



85.1685, 86.0328, 101.7443

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.



91.7186, 91.7540, 102.1017



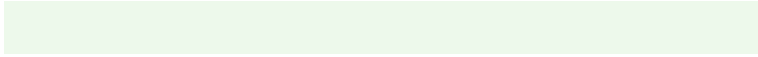
83.7961, 91.7540, 91.8910



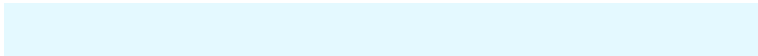
88.7760, 91.7540, 112.4857

Square

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



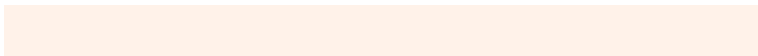
83.7961, 91.7540, 91.8910



84.3645, 91.7540, 110.1414



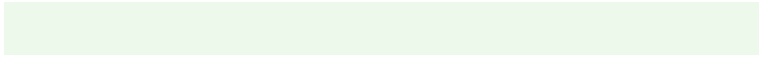
90.7142, 91.7540, 108.3709



90.1176, 91.7540, 90.3224

Rectangle

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



83.7961, 91.7540, 91.8910



82.8571, 91.7540, 102.2153



90.7142, 91.7540, 108.3709



91.7115, 91.7540, 97.6288

Sweetspot

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



83.7987, 91.7579, 91.8930



92.6495, 98.8561, 104.5583



87.2964, 92.6026, 91.8717



19.8560, 21.1713, 22.4252



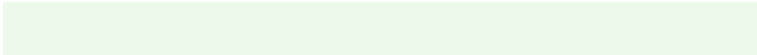
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

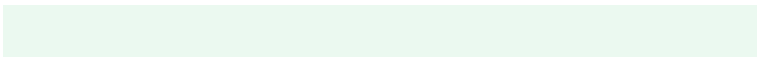
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7987, 91.7579, 91.8930



86.9010, 96.1158, 94.2077



83.8528, 91.7029, 95.6436



17.6724, 19.6305, 19.0634



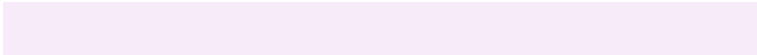
18.5837, 36.4985, 6.0655



1.7888, 3.4153, 0.5649

Inverse Universe

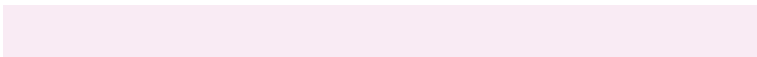
The Inverse Universe completely reimagines the original color for something new.



85.1685, 86.0328, 101.7443



88.6861, 88.6550, 107.0456



85.1228, 86.0965, 97.8029



18.0673, 17.9800, 21.9035



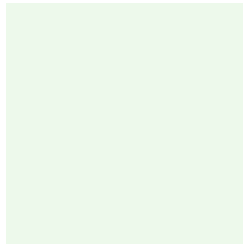
24.0032, 11.3168, 48.8928



2.2877, 1.0814, 4.5313

Previews

White Background



This preview shows how the XYZ color 83.7961, 91.7540, 91.8910 looks on a white background.

Color Contrast Check

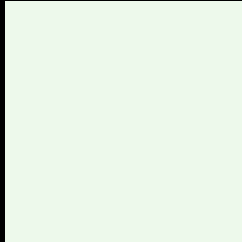
Large Text (above 18pt) WCAG AA × Fail

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 83.7961, 91.7540, 91.8910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

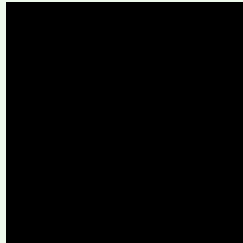
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

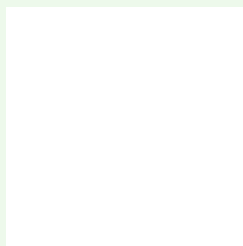
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.7961, 91.7540, 91.8910

Background



This preview shows how black text looks on a background with the XYZ color 83.7961, 91.7540, 91.8910.



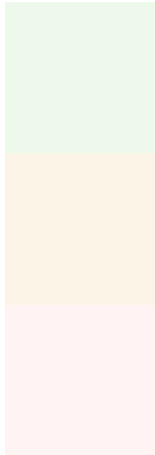
This preview shows how white text looks on a background with the XYZ color 83.7961, 91.7540,

91.8910.

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

83.7961, 91.7540, 91.8910

Protanopia

87.4242, 91.4102, 89.3801

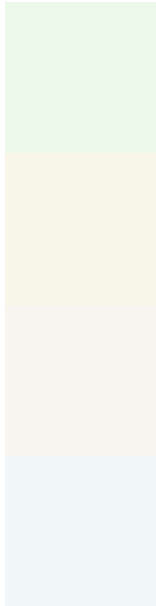
Deuteranopia

89.4683, 91.8322, 97.8039

Tritanopia

87.6646, 91.5795, 107.6639

Trichromacy



Original Color

83.7961, 91.7540, 91.8910

Protanomaly

86.0215, 91.5689, 90.2315

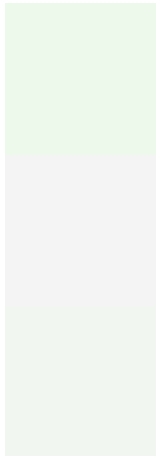
Deuteranomaly

87.0920, 91.5525, 95.5192

Tritanomaly

86.1747, 91.3896, 101.9050

Monochromacy



Original Color

83.7961, 91.7540, 91.8910

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.1086, 90.9632, 96.2910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7961, 91.7540, 91.8910 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(237, 249, 235)` looks like.

```
.text, #text, p{  
    color:rgb(237, 249, 235)  
}
```

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(237, 249, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 249, 235) }
```

Border

The CSS property to change the border of an element to XYZ 83.7961, 91.7540, 91.8910 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(237, 249, 235) }
```


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

```
.border{ border-color:rgb(237, 249, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 249, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 249, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 249, 235);  
box-shadow:4px 4px 4px 4px rgb(237, 249,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7961, 91.7540, 91.8910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 249, 235) }
```

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

```
.background{ background-color: rgb(237,  
249, 235) }
```

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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