

Converting Colors

XYZ(86.1737, 91.8701,
111.1687)

Have a look what the booklet for
XYZ(86.1737, 91.8701, 111.1687)
contains.

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Color

**XYZ(85.5491, 91.8472,
107.8271)**

Conversions

Conversions Part 1

Format	Color
Hex	EAFF8E
RGB	234, 248, 255
RGB Percent	92%, 97%, 100%
CMY	0.0823, 0.0274, 0.0000
CMYK	0.08, 0.03, 0.00, 0.00
HSL	200°, 100%, 96%
HSV	200°, 8%, 100%
XYZ	85.5491, 91.8472, 107.8271
YIQ	244.6120, -10.5910, -0.7910

Conversions

Conversions Part 2

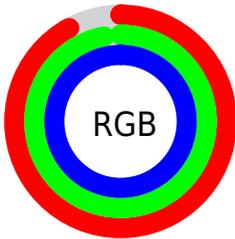
Format	Color
R _{YB}	234, 242, 255
Decimal	15399167
CIE _{Lab}	96.76, -3.27, -4.94
CIE _{LCh}	97, 5.924, 236.525
Y _{xy}	91.8472, 0.2999, 0.3220
Android (android.graphics.Color)	4293589247 (0xFFEAF8FF)
Y _{UV}	244.6120, 5.1213, -9.3067
Hunter-Lab	95.8369, -8.3762, 0.3781

Details

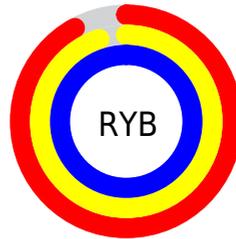
The XYZ color **85.5491, 91.8472, 107.8271** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.5459, 90.1093, 90.6222**, and the grayscale version is **86.4478, 90.9498, 99.0443**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4028, 51.2415, 60.8183** is the 20% darker color. If you saturate the color by 10%, you get **75.2202, 82.7356, 106.6128**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



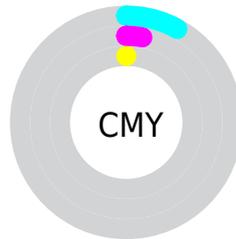
- Red (92%)
- Green (97%)
- Blue (100%)



- Red (92%)
- Yellow (95%)
- Blue (100%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.5491, 91.8472, 107.8271 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 85.5491, 91.8472, 107.8271 by changing the saturation by 10% instead.

85.5491, 91.8472,
107.8271

85.5491, 91.8472,
107.8271

501.8996,
534.0216, 606.4658

64.6192, 69.5137,
82.2000

140.0502,
149.9016, 174.0179

47.4159, 51.1302,
60.9936

174.3521,
186.3913, 215.4186

33.5739, 36.3122,
43.7895

213.8420,
228.3686, 262.9143

22.7278, 24.6754,
30.1691

258.8853,
276.2177, 316.9235

14.5122, 15.8354,
19.7138

309.8474,
330.3232, 377.8647

8.5619, 9.4078,
12.0052

367.0935,

4.5113, 5.0081,

391.0694, 446.1564

6.6246

430.9892,
458.8407, 522.2173

■ 1.9953, 2.2520,
3.1536

■ 0.6313, 0.7481,
1.1736

■ 85.5491, 91.8472,
107.8271

■ 85.5491, 91.8472,
107.8271

■ 75.2202, 82.7356,
106.6128

95.0500, 100.0000,
108.9000

■ 66.1596, 74.4489,
105.4908

■ 58.3132, 66.9594,
104.4588

■ 51.6199, 60.2333,
103.5133

■ 46.0131, 54.2337,
102.6508

■ 41.4189, 48.9201,
101.8673

■ 37.7533, 44.2466,
101.1584

■ 34.9172, 40.1594,
100.5190

■ 32.7748, 36.5859,
99.9421

Harmonies

Analogous

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



84.4729, 91.8472, 104.1445



85.5491, 91.8472, 107.8271



87.1047, 91.8472, 109.4116

Triad

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



85.5491, 91.8472, 107.8271



90.5232, 91.8472, 100.5612



85.8802, 91.8472, 92.0472

Complementary

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



85.5491, 91.8472, 107.8271



87.5459, 90.1093, 90.6222

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.



87.4917, 91.8472, 91.1554



85.5491, 91.8472, 107.8271



90.1854, 91.8472, 95.9786

Square

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



85.5491, 91.8472, 107.8271



89.9878, 91.8472, 105.1338



89.0706, 91.8472, 92.5725



84.6623, 91.8472, 95.0477

Rectangle

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



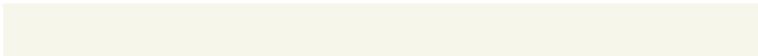
85.5491, 91.8472, 107.8271



88.2091, 91.8472, 109.0290



89.0706, 91.8472, 92.5725



86.3932, 91.8472, 91.4950

Sweetspot

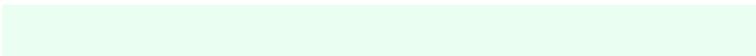
The Sweet Spot groups the original color and five complimentary colors.



85.5515, 91.8510, 107.8277



92.6589, 97.9664, 108.6335



85.5176, 95.3429, 96.8422



19.8579, 20.9902, 23.2548



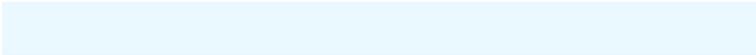
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



85.5515, 91.8510, 107.8277



83.6327, 90.1800, 107.6063



82.5138, 85.7756, 106.8151



18.0152, 19.4020, 23.0454



17.0912, 19.0921, 52.2189



1.7646, 2.0600, 5.1179

Inverse Universe

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



87.6076, 86.8845, 100.9644



86.1102, 84.2607, 99.3218



90.6358, 96.2890, 91.6522



18.5203, 18.1914, 21.3572



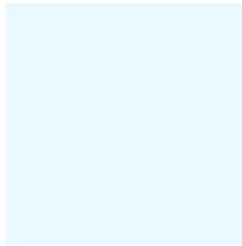
25.4151, 12.6553, 21.3680



2.5253, 1.2525, 2.3477

Previews

White Background



This preview shows how the XYZ color 85.5491, 91.8472, 107.8271 looks on a white background.

Color Contrast Check

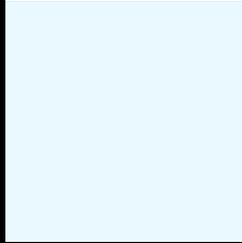
Large Text (above 18pt) WCAG AA × Fail

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 85.5491, 91.8472, 107.8271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

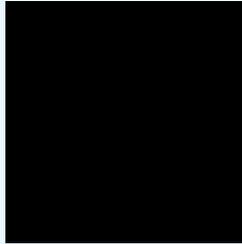
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

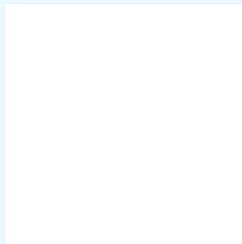
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.5491, 91.8472, 107.8271

Background



This preview shows how black text looks on a background with the XYZ color 85.5491, 91.8472, 107.8271.



This preview shows how white text looks on a background with the XYZ color 85.5491, 91.8472,

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

85.5491, 91.8472, 107.8271

Protanopia

88.7917, 91.7497, 105.9581

Deuteranopia

90.4047, 91.7293, 104.2075

Tritanopia

87.2814, 91.8323, 107.7329

Trichromacy



Original Color

85.5491, 91.8472, 107.8271

Protanomaly

87.5039, 91.5153, 106.8182

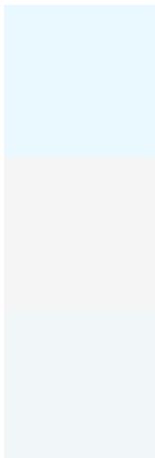
Deuteranomaly

88.2791, 91.5038, 105.1047

Tritanomaly

86.5707, 91.9187, 107.7871

Monochromacy



Original Color

85.5491, 91.8472, 107.8271

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.3303, 91.4519, 102.7244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.5491, 91.8472, 107.8271 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(234, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 248, 255)  
}
```

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(234, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.5491, 91.8472, 107.8271 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(234, 248, 255) }
```

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

```
.border{ border-color:rgb(234, 248, 255) }
```

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

Here you see how a box with a 4 pixel rgb(234, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.5491, 91.8472, 107.8271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 248, 255) }
```

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

```
.background{ background-color: rgb(234,  
248, 255) }
```

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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