

Converting Colors

XYZ(84.5923, 91.8027, 92.7023)

Have a look what the booklet for
XYZ(84.5923, 91.8027, 92.7023)
contains.

XYZ(84.6429, 91.7162, 92.5987)	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(84.6429, 91.7162,
92.5987)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F8EC
RGB	240, 248, 236
RGB Percent	94%, 97%, 93%
CMY	0.0588, 0.0274, 0.0745
CMYK	0.03, 0.00, 0.05, 0.03
HSL	100°, 46%, 95%
HSV	100°, 5%, 97%
XYZ	84.6429, 91.7162, 92.5987
YIQ	244.2400, -0.9160, -5.4280

Conversions

Conversions Part 2

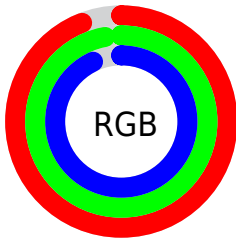
Format	Color
R _Y B	236, 248, 244
Decimal	15792364
CIE Lab	96.70, -4.75, 4.83
CIE LCh	97, 6.773, 134.497
Yxy	91.7162, 0.3147, 0.3410
Android (android.graphics.Color)	4293982444 (0xFFFF0F8EC)
YUV	244.2400, -4.0623, -3.7185
Hunter-Lab	95.7686, -9.8318, 9.7105

Details

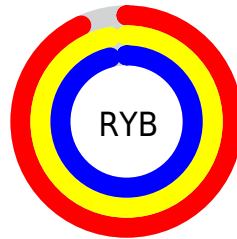
The XYZ color **84.6429, 91.7162, 92.5987** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.2505, 86.0038, 100.9716**, and the grayscale version is **86.2154, 90.7053, 98.7781**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8550, 51.1849, 50.5902** is the 20% darker color. If you saturate the color by 10%, you get **75.9270, 87.6135, 74.6697**, and if you desaturate by 10%, it is **92.8592, 95.6184, 108.1697**.

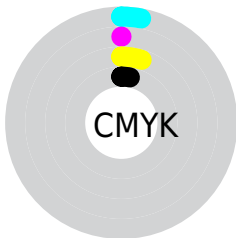
Distribution



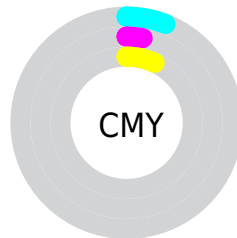
- Red (94%)
- Green (97%)
- Blue (93%)



- Red (93%)
- Yellow (97%)
- Blue (96%)



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



- Cyan (6%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.6429, 91.7162, 92.5987 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 84.6429, 91.7162, 92.5987 by changing the saturation by 10% instead.

84.6429, 91.7162,
92.5987

84.6429, 91.7162,
92.5987

498.9472,
533.5979, 557.2353

63.8679, 69.4049,
69.5522

138.7908,
149.7200, 152.9098

46.8049, 51.0416,
50.6870

172.8943,
186.1813, 191.0115

33.0888, 36.2417,
35.5846

212.1713,
228.1281, 234.9686

22.3540, 24.6209,
23.8264

256.9873,
275.9447, 285.1998

14.2353, 15.7948,
14.9939

307.7075,
330.0157, 342.1235

8.3673, 9.3791,
8.6685

364.6973,

4.3846, 4.9893,

390.7252, 406.1583

4.4318

428.3221,
458.4578, 477.7227

■ 1.9220, 2.2410,
1.8651

■ 0.5896, 0.7422,
0.4704

■ 84.6429, 91.7162,
92.5987

■ 84.6429, 91.7162,
92.5987

■ 75.9270, 87.6135,
74.6697

■ 92.8592, 95.6184,
108.1697

■ 68.1866, 83.9555,
59.2892

■ 61.3880, 80.7303,
46.3433

■ 55.4930, 77.9206,
35.7069

■ 50.4601, 75.5081,
27.2439

■ 46.2445, 73.4731,
20.8037

■ 42.7968, 71.7937,
16.2168

■ 40.0610, 70.4454,
13.2857

■ 37.9714, 69.3996,
11.7681

Harmonies

Analogous

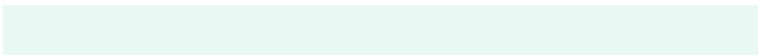
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2639, 91.7162, 90.0909



84.6429, 91.7162, 92.5987



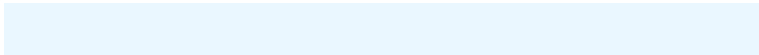
83.7070, 91.7162, 97.0982

Triad

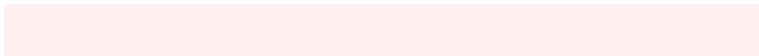
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6429, 91.7162, 92.5987



86.2026, 91.7162, 110.2674



90.7514, 91.7162, 97.2720

Complementary

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



84.6429, 91.7162, 92.5987



84.2505, 86.0038, 100.9716

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.



90.7344, 91.7162, 102.6805



84.6429, 91.7162, 92.5987



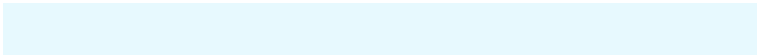
88.0894, 91.7162, 110.3181

Square

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



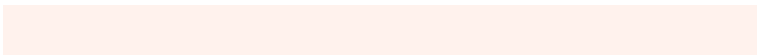
84.6429, 91.7162, 92.5987



84.5985, 91.7162, 107.3623



89.7540, 91.7162, 107.4984



89.8002, 91.7162, 92.7220

Rectangle

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



84.6429, 91.7162, 92.5987



83.5889, 91.7162, 100.6844



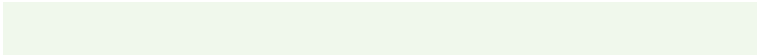
89.7540, 91.7162, 107.4984



90.8592, 91.7162, 99.0468

Sweetspot

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



84.6455, 91.7201, 92.6007



94.0193, 99.5158, 106.7229



86.2061, 90.7178, 92.3250



20.1349, 21.3056, 22.8660



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

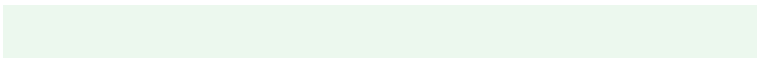
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6455, 91.7201, 92.6007



89.0293, 97.1696, 96.2679



83.5948, 91.1448, 94.0776



18.1155, 19.8505, 19.4619



20.1750, 37.3189, 6.1399



1.9760, 3.5117, 0.5737

Inverse Universe

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



84.2505, 86.0038, 100.9716



88.5111, 89.6696, 107.2507



85.3448, 86.6036, 99.4109



17.9984, 18.1573, 21.9414



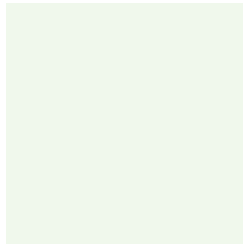
17.7313, 8.0835, 48.5993



1.7545, 0.8066, 4.5064

Previews

White Background



This preview shows how the XYZ color 84.6429, 91.7162, 92.5987 looks on a white background.

Color Contrast Check

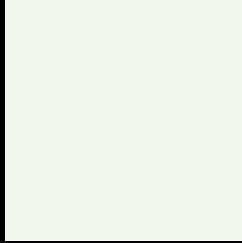
Large Text (above 18pt) WCAG AA × Fail

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 84.6429, 91.7162, 92.5987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

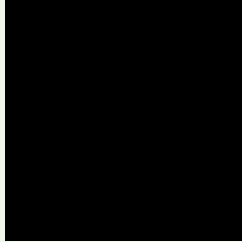
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

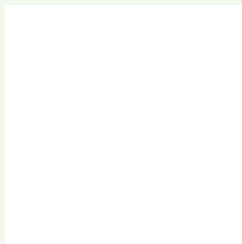
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.6429, 91.7162, 92.5987

Background



This preview shows how black text looks on a background with the XYZ color 84.6429, 91.7162, 92.5987.



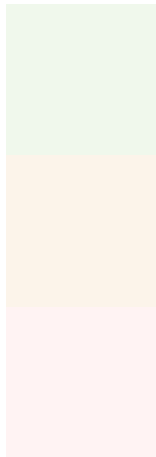
This preview shows how white text looks on a background with the XYZ color 84.6429, 91.7162,

92.5987.

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

84.6429, 91.7162, 92.5987

Protanopia

87.3469, 91.3373, 90.8681

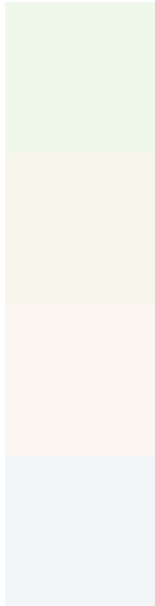
Deuteranopia

89.4683, 91.8322, 97.8039

Tritanopia

88.3586, 91.9373, 107.6964

Trichromacy



Original Color

84.6429, 91.7162, 92.5987

Protanomaly

86.3592, 91.2594, 91.6605

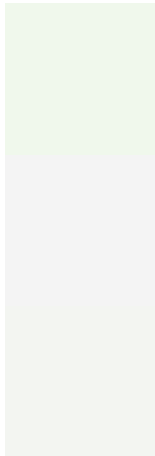
Deuteranomaly

87.8049, 91.9201, 95.5526

Tritanomaly

86.8612, 91.7435, 101.9371

Monochromacy



Original Color

84.6429, 91.7162, 92.5987

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.4917, 90.7104, 96.2220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.6429, 91.7162, 92.5987 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(240, 248, 236) looks like.

```
.text, #text, p{  
    color:rgb(240, 248, 236)  
}
```

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(240, 248, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 248, 236) }
```

Border

The CSS property to change the border of an element to XYZ 84.6429, 91.7162, 92.5987 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(240, 248, 236) }
```


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

```
.border{ border-color:rgb(240, 248, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 248, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 248, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 248, 236);  
box-shadow:4px 4px 4px 4px rgb(240, 248,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 84.6429, 91.7162, 92.5987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 248, 236) }
```

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

```
.background{ background-color: rgb(240,  
248, 236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor