

Converting Colors

XYZ(80.5320, 87.0007, 92.4516)

Have a look what the booklet for
XYZ(80.5320, 87.0007, 92.4516)
contains.

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Color

**XYZ(80.6425, 86.9423,
92.6520)**

Conversions

Conversions Part 1

Format	Color
Hex	E9F2ED
RGB	233, 242, 237
RGB Percent	91%, 95%, 93%
CMY	0.0863, 0.0510, 0.0706
CMYK	0.04, 0.00, 0.02, 0.05
HSL	147°, 26%, 93%
HSV	147°, 4%, 95%
XYZ	80.6425, 86.9423, 92.6520
YIQ	238.7390, -3.7590, -3.4630

Conversions

Conversions Part 2

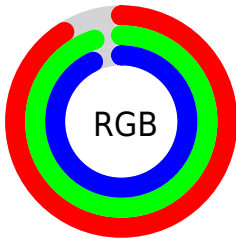
Format	Color
R _Y B	233, 239, 242
Decimal	15332077
CIE Lab	94.71, -3.87, 1.36
CIE LCh	95, 4.102, 160.592
Yxy	86.9423, 0.3099, 0.3341
Android (android.graphics.Color)	4293522157 (0xFFE9F2ED)
YUV	238.7390, -0.8573, -5.0331
Hunter-Lab	93.2429, -8.7966, 6.3557

Details

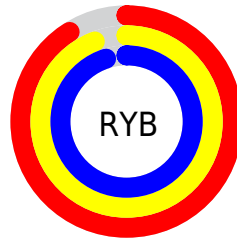
The XYZ color **80.6425, 86.9423, 92.6520** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.1927, 83.3305, 92.6983**, and the grayscale version is **81.8518, 86.1144, 93.7786**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0309, 47.8011, 50.6219** is the 20% darker color. If you saturate the color by 10%, you get **71.3860, 82.3914, 82.3438**, and if you desaturate by 10%, it is **90.3199, 91.6980, 103.7529**.

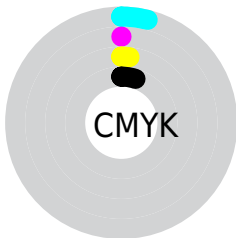
Distribution



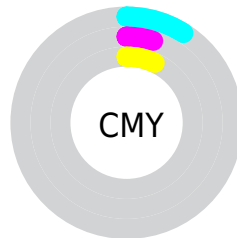
- Red (91%)
- Green (95%)
- Blue (93%)



- Red (91%)
- Yellow (94%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (9%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6425, 86.9423, 92.6520 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 80.6425, 86.9423, 92.6520 by changing the saturation by 10% instead.

80.6425, 86.9423,
92.6520

80.6425, 86.9423,
92.6520

485.7991,
518.0332, 557.4116

60.5575, 65.4475,
69.5962

133.2145,
143.0837, 152.9843

44.1193, 47.8240,
50.7227

166.4321,
178.4991, 191.0978

30.9626, 33.6875,
35.6128

204.7581,
219.3234, 235.0678

20.7221, 22.6537,
23.8479

248.5576,
265.9411, 285.3126

13.0323, 14.3380,
15.0097

298.1961,
318.7365, 342.2508

7.5280, 8.3561,
8.6795

354.0390,

3.8437, 4.3236,

378.0941, 406.3011

4.4388

416.4515,
444.3982, 477.8818

■ 1.6141, 1.8562,
1.8690

■ 0.4016, 0.5218,
0.4729

■ 80.6425, 86.9423,
92.6520

■ 80.6425, 86.9423,
92.6520

■ 71.3860, 82.3914,
82.3438

■ 90.3199, 91.6980,
103.7529

■ 63.3108, 78.4305,
72.8418

■ 91.0438, 91.9875,
107.5646

■ 56.3695, 75.0378,
64.1282

■ 50.5081, 72.1859,
56.1824

■ 45.6683, 69.8452,
48.9832

■ 41.7859, 67.9831,
42.5079

■ 38.7891, 66.5629,
36.7329

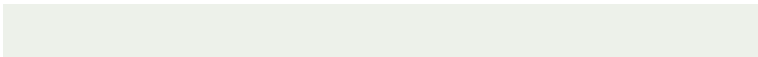
■ 36.5951, 65.5425,
31.6330

■ 35.1039, 64.8707,
27.1810

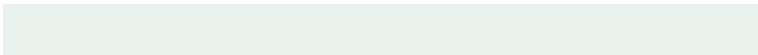
Harmonies

Analogous

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



81.2573, 86.9423, 90.1065



80.6425, 86.9423, 92.6520



80.5591, 86.9423, 95.7916

Triad

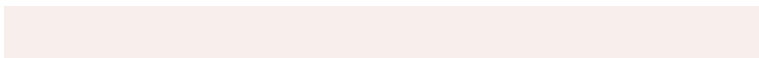
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6425, 86.9423, 92.6520



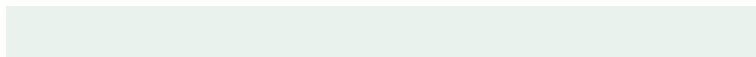
83.0284, 86.9423, 100.7917



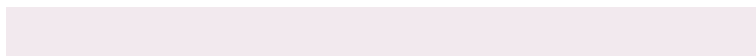
84.2647, 86.9423, 90.7498

Complementary

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



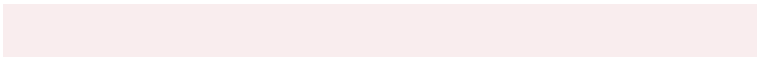
80.6425, 86.9423, 92.6520



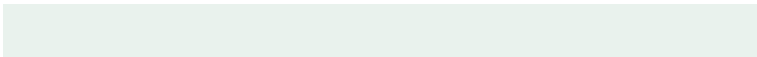
81.1927, 83.3305, 92.6983

Split Complementary

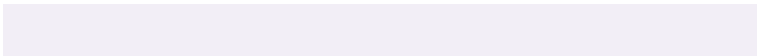
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7484, 86.9423, 93.5480



80.6425, 86.9423, 92.6520



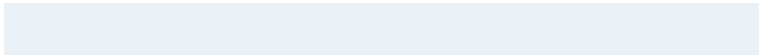
84.0303, 86.9423, 99.3755

Square

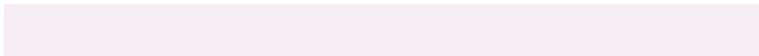
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



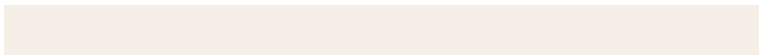
80.6425, 86.9423, 92.6520



81.9300, 86.9423, 100.5387



84.6622, 86.9423, 96.7077



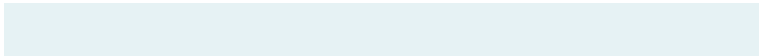
83.3461, 86.9423, 89.0253

Rectangle

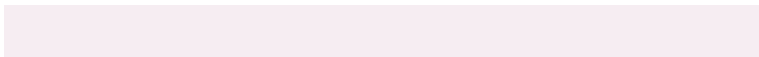
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



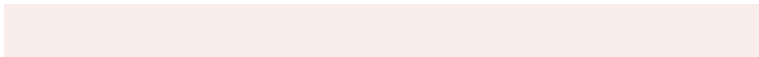
80.6425, 86.9423, 92.6520



80.8153, 86.9423, 97.8053



84.6622, 86.9423, 96.7077



84.4839, 86.9423, 91.5934

Sweetspot

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



80.6450, 86.9460, 92.6539



93.8907, 99.4286, 107.6591



81.7568, 87.5860, 89.6889



20.1087, 21.2878, 23.0566



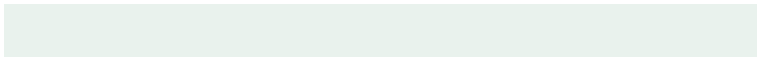
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.6450, 86.9460, 92.6539



90.4971, 97.7568, 103.9930



81.2964, 87.2066, 96.0846



16.8021, 18.2378, 19.3166



18.5640, 34.7176, 13.6188



1.5937, 2.9079, 1.3926

Inverse Universe

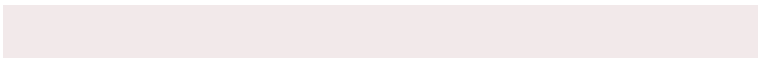
The Inverse Universe completely reimagines the original color for something new.



81.1927, 83.3305, 92.6983



91.1608, 93.3754, 104.0468



80.5534, 83.0747, 89.3319



16.9481, 17.2736, 19.3285



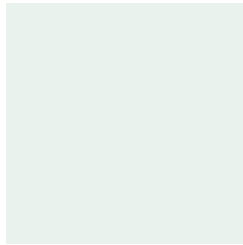
22.0715, 11.1010, 13.5590



1.8862, 0.9435, 1.3913

Previews

White Background



This preview shows how the XYZ color 80.6425, 86.9423, 92.6520 looks on a white background.

Color Contrast Check

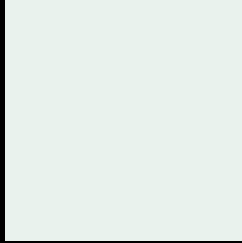
Large Text (above 18pt) WCAG AA × Fail

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 80.6425, 86.9423, 92.6520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

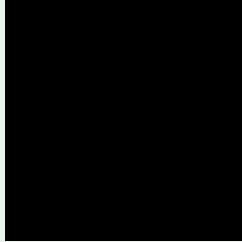
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

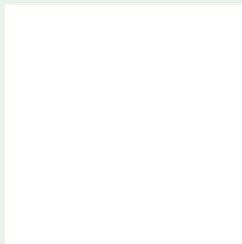
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.6425, 86.9423, 92.6520

Background



This preview shows how black text looks on a background with the XYZ color 80.6425, 86.9423, 92.6520.



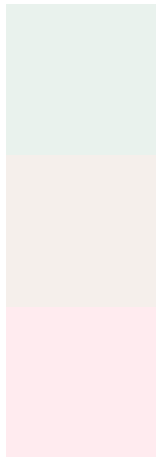
This preview shows how white text looks on a background with the XYZ color 80.6425, 86.9423,

92.6520.

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

80.6425, 86.9423, 92.6520

Protanopia

83.5181, 87.1436, 91.0158

Deuteranopia

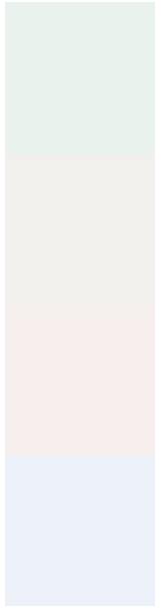
86.5283, 86.9087, 93.8759



Tritanopia

83.8416, 86.9575, 106.9733

Trichromacy



Original Color

80.6425, 86.9423, 92.6520

Protanomaly

82.5760, 87.0771, 91.8122

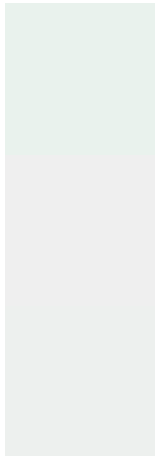
Deuteranomaly

84.3649, 87.0963, 93.2537

Tritanomaly

82.6954, 86.9304, 101.2277

Monochromacy



Original Color

80.6425, 86.9423, 92.6520

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.5178, 86.4977, 93.2882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6425, 86.9423, 92.6520 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(233, 242, 237) looks like.

```
.text, #text, p{  
    color:rgb(233, 242, 237)  
}
```

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(233, 242, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 242, 237) }
```

Border

The CSS property to change the border of an element to XYZ 80.6425, 86.9423, 92.6520 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(233, 242, 237) }
```


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

```
.border{ border-color:rgb(233, 242, 237) }
```

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

Here you see how a box with a 4 pixel rgb(233, 242, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 242, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 242, 237);  
box-shadow:4px 4px 4px 4px rgb(233, 242,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6425, 86.9423, 92.6520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 242, 237) }
```

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

```
.background{ background-color: rgb(233,  
242, 237) }
```

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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