

Converting Colors

XYZ(78.1078, 84.4737, 91.6435)

Have a look what the booklet for
XYZ(78.1078, 84.4737, 91.6435)
contains.

XYZ(78.0017, 84.2831, 91.5140) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(78.0017, 84.2831,
91.5140)**

Conversions

Conversions Part 1

Format	Color
Hex	E4EFEC
RGB	228, 239, 236
RGB Percent	89%, 94%, 93%
CMY	0.1059, 0.0627, 0.0745
CMYK	0.05, 0.00, 0.01, 0.06
HSL	164°, 26%, 92%
HSV	164°, 5%, 94%
XYZ	78.0017, 84.2831, 91.5140
YIQ	235.3690, -5.5930, -3.2650

Conversions

Conversions Part 2

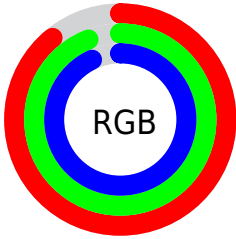
Format	Color
R _Y B	228, 234, 239
Decimal	15003628
CIE Lab	93.57, -4.18, 0.18
CIE LCh	94, 4.181, 177.590
Yxy	84.2831, 0.3073, 0.3321
Android (android.graphics.Color)	4293193708 (0xFFE4EFEC)
YUV	235.3690, 0.3111, -6.4626
Hunter-Lab	91.8058, -8.9999, 5.1625

Details

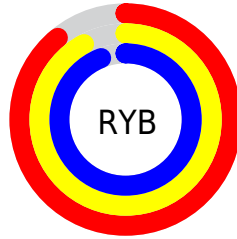
The XYZ color **78.0017, 84.2831, 91.5140** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.7669, 79.6092, 86.8727**, and the grayscale version is **79.2495, 83.3767, 90.7972**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4053, 46.0465, 49.8329** is the 20% darker color. If you saturate the color by 10%, you get **70.0073, 80.2717, 86.2829**, and if you desaturate by 10%, it is **87.0837, 88.8559, 96.9803**.

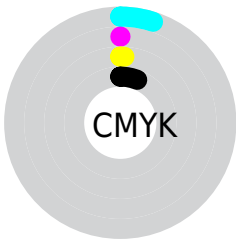
Distribution



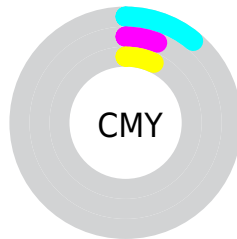
- Red (89%)
- Green (94%)
- Blue (93%)



- Red (89%)
- Yellow (92%)
- Blue (94%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (6%)



- Cyan (11%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0017, 84.2831, 91.5140 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 78.0017, 84.2831, 91.5140 by changing the saturation by 10% instead.

■ 78.0017, 84.2831,
91.5140

■ 78.0017, 84.2831,
91.5140

477.0123,
509.2529, 553.6403

■ 58.3782, 63.2492,
68.6563

129.5179,
139.3711, 151.3935

■ 42.3572, 46.0428,
49.9618

162.1412,
174.1940, 189.2523

■ 29.5734, 32.2796,
35.0121

199.8285,
214.3821, 232.9485

■ 19.6615, 21.5752,
23.3886

242.9452,
260.3196, 282.9008

■ 12.2560, 13.5451,
14.6727

291.8566,
312.3911, 339.5275

■ 6.9917, 7.8049,
8.4459

346.9280,

■ 3.5032, 3.9704,

370.9808, 403.2473

4.2898

408.5248,
436.4733, 474.4787

■ 1.4251, 1.6570,
1.7856

■ 0.2740, 0.3956,
0.4184

■ 78.0017, 84.2831,
91.5140

■ 78.0017, 84.2831,
91.5140

■ 70.0073, 80.2717,
86.2829

■ 87.0837, 88.8559,
96.9803

■ 63.0502, 76.7888,
81.2774

■ 89.2149, 89.8389,
102.3022

■ 57.0867, 73.8142,
76.4954

■ 90.1581, 90.2162,
107.2694

■ 52.0673, 71.3224,
71.9326

■ 47.9381, 69.2857,
67.5845

■ 44.6396, 67.6734,
63.4461

■ 42.1045, 66.4510,
59.5124

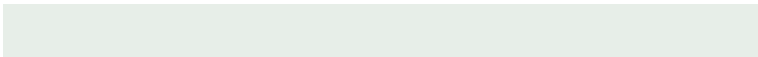
■ 40.2553, 65.5784,
55.7776

■ 38.9966, 65.0066,
52.2350

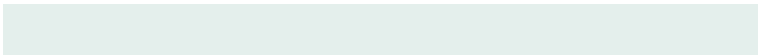
Harmonies

Analogous

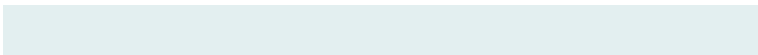
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3259, 84.2831, 88.5429



78.0017, 84.2831, 91.5140



78.2378, 84.2831, 94.6209

Triad

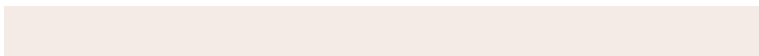
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.0017, 84.2831, 91.5140



81.0979, 84.2831, 97.2767



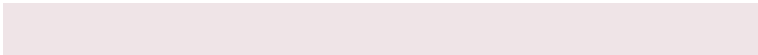
81.2543, 84.2831, 86.7216

Complementary

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



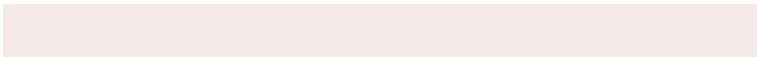
78.0017, 84.2831, 91.5140



77.7669, 79.6092, 86.8727

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.



82.0089, 84.2831, 88.9769



78.0017, 84.2831, 91.5140



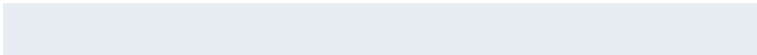
81.9181, 84.2831, 95.0745

Square

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



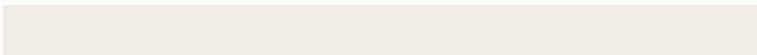
78.0017, 84.2831, 91.5140



80.0191, 84.2831, 97.9931



82.2530, 84.2831, 92.0264



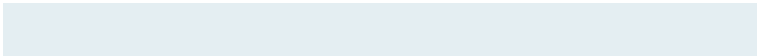
80.1981, 84.2831, 85.8160

Rectangle

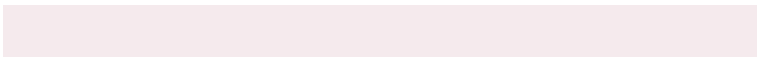
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0017, 84.2831, 91.5140



78.6823, 84.2831, 96.3425



82.2530, 84.2831, 92.0264



81.5520, 84.2831, 87.3444

Sweetspot

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



78.0041, 84.2867, 91.5158



94.0062, 99.4748, 108.2672



77.8655, 84.3465, 85.5765



20.1322, 21.2972, 23.1803



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

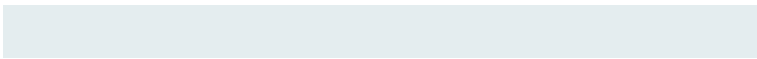
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0041, 84.2867, 91.5158



88.9782, 96.9467, 105.1438



77.7509, 83.0759, 93.6030



16.5560, 18.1039, 19.6245



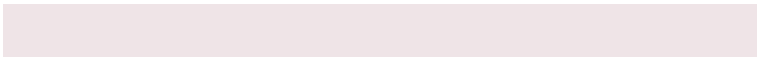
21.3245, 35.8218, 28.1553



1.8155, 2.9967, 2.5610

Inverse Universe

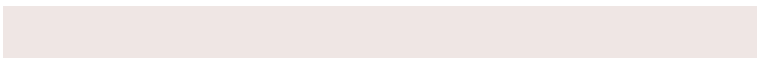
The Inverse Universe completely reimagines the original color for something new.



77.7669, 79.6092, 86.8727



88.6222, 89.9278, 98.1766



78.0066, 80.7618, 84.8771



16.4828, 16.6612, 18.1925



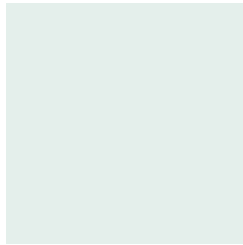
20.2498, 10.3723, 3.9659



1.7250, 0.8790, 0.5425

Previews

White Background



This preview shows how the XYZ color 78.0017, 84.2831, 91.5140 looks on a white background.

Color Contrast Check

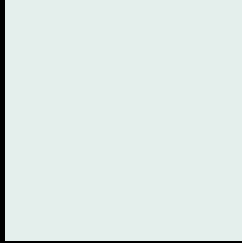
Large Text (above 18pt) WCAG AA × Fail

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 78.0017, 84.2831, 91.5140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

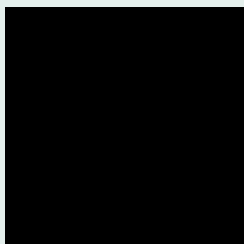
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

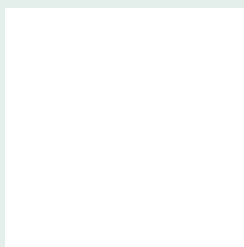
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.0017, 84.2831, 91.5140

Background



This preview shows how black text looks on a background with the XYZ color 78.0017, 84.2831, 91.5140.



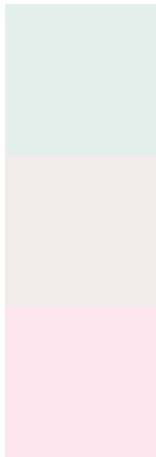
This preview shows how white text looks on a background with the XYZ color 78.0017, 84.2831,

91.5140.

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

78.0017, 84.2831, 91.5140

Protanopia

80.8352, 84.0579, 89.8062

Deuteranopia

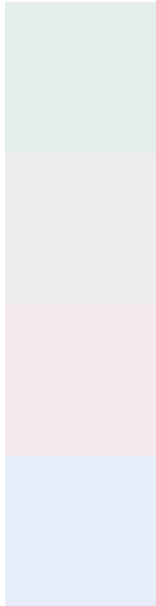
84.9694, 84.0267, 92.6293



Tritanopia

81.0004, 84.1998, 106.5908

Trichromacy



Original Color

78.0017, 84.2831, 91.5140

Protanomaly

79.5829, 83.8219, 90.5820

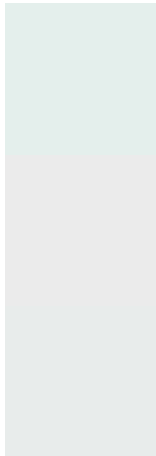
Deuteranomaly

82.0812, 83.8047, 91.9706

Tritanomaly

79.8606, 84.1687, 100.8440

Monochromacy



Original Color

78.0017, 84.2831, 91.5140

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.2696, 83.1449, 90.5206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0017, 84.2831, 91.5140 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(228, 239, 236) looks like.

```
.text, #text, p{  
    color:rgb(228, 239, 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(228, 239, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 239, 236) }
```

Border

The CSS property to change the border of an element to XYZ 78.0017, 84.2831, 91.5140 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(228, 239, 236) }
```


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

```
.border{ border-color:rgb(228, 239, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 239, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 239, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 239, 236); box-shadow:4px 4px 4px 4px rgb(228, 239, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0017, 84.2831, 91.5140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 239, 236) }
```

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

```
.background{ background-color: rgb(228,  
239, 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](#).

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