

Converting Colors

XYZ(78.8780, 87.4217, 64.6274)

Have a look what the booklet for
XYZ(78.8780, 87.4217, 64.6274)
contains.

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Color

**XYZ(78.8190, 87.5187,
64.3684)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F4C3
RGB	242, 244, 195
RGB Percent	95%, 96%, 76%
CMY	0.0510, 0.0431, 0.2353
CMYK	0.01, 0.00, 0.20, 0.04
HSL	62°, 69%, 86%
HSV	62°, 20%, 96%
XYZ	78.8190, 87.5187, 64.3684
YIQ	237.8160, 14.5370, -15.6630

Conversions

Conversions Part 2

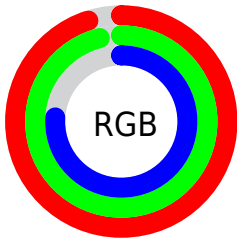
Format	Color
R_{YB}	195, 244, 197
Decimal	15922371
CIE _{Lab}	94.96, -8.52, 23.45
CIE _{LCh}	95, 24.950, 109.958
Y _{xy}	87.5187, 0.3416, 0.3794
Android (android.graphics.Color)	4294112451 (0xFFFF2F4C3)
YUV	237.8160, -21.1083, 3.6694
Hunter-Lab	93.5514, -13.3251, 24.6913

Details

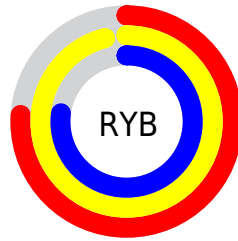
The XYZ color **78.8190, 87.5187, 64.3684** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.8735, 57.4345, 93.5757**, and the grayscale version is **81.2779, 85.5107, 93.1211**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **43.0406, 48.3286, 32.2592** is the 20% darker color. If you saturate the color by 10%, you get **75.9417, 86.3313, 50.9903**, and if you desaturate by 10%, it is **82.1537, 88.8952, 80.1247**.

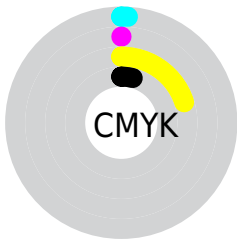
Distribution



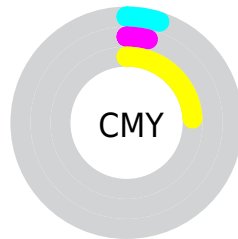
- Red (95%)
- Green (96%)
- Blue (76%)



- Red (76%)
- Yellow (96%)
- Blue (77%)



- Cyan (1%)
- Magenta (0%)
- Yellow (20%)
- Black (4%)



- Cyan (5%)
- Magenta (4%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8190, 87.5187, 64.3684 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 78.8190, 87.5187, 64.3684 by changing the saturation by 10% instead.

78.8190, 87.5187,
64.3684

78.8190, 87.5187,
64.3684

479.7412,
519.9258, 458.7627

59.0521, 65.9245,
46.5010

130.6633,
143.8869, 112.7459

42.9016, 48.2111,
32.2899

163.4714,
179.4297, 144.0931

30.0021, 33.9941,
21.3163

201.3573,
220.3909, 180.7706

19.9883, 22.8891,
13.1619

244.6864,
267.1548, 223.1971

12.4947, 14.5116,
7.4081

293.8239,
320.1059, 271.7910

7.1561, 8.4774,
3.6363

349.1354,

3.6071, 4.4019,

379.6285, 326.9709

1.4280

410.9860,
446.1070, 389.1553

■ 1.4824, 1.9008,
0.1634

■ 0.3138, 0.5489,
0.0000

■ 78.8190, 87.5187,
64.3684

■ 78.8190, 87.5187,
64.3684

■ 75.9417, 86.3313,
50.9903

■ 82.1537, 88.8952,
80.1247

■ 73.4930, 85.3125,
39.8696

■ 85.9592, 90.4574,
98.3610

■ 71.4515, 84.4569,
30.8835

■ 88.0573, 91.3367,
107.5964

■ 69.7912, 83.7539,
23.8950

■ 88.4066, 91.5168,
107.6127

68.4830, 83.1920,
18.7514

88.7577, 91.6978,
107.6292

67.4939, 82.7580,
15.2781

89.1108, 91.8798,
107.6457

66.7843, 82.4359,
13.2668

89.4657, 92.0628,
107.6623

66.2913, 82.2011,
12.3725

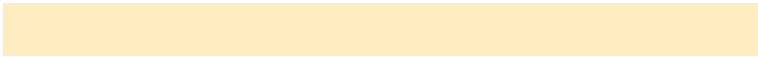
89.8226, 92.2468,
107.6790

90.1813, 92.4317,
107.6958

Harmonies

Analogous

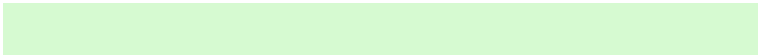
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4748, 87.5187, 63.0929



78.8190, 87.5187, 64.3684



73.6100, 87.5187, 73.2624

Triad

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



78.8190, 87.5187, 64.3684



75.0863, 87.5187, 126.7814



96.6728, 87.5187, 101.9435

Complementary

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



78.8190, 87.5187, 64.3684



58.8735, 57.4345, 93.5757

Split Complementary

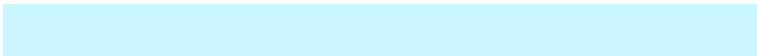
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.5538, 87.5187, 121.3489



78.8190, 87.5187, 64.3684



80.9343, 87.5187, 136.9225

Square

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



78.8190, 87.5187, 64.3684



71.5374, 87.5187, 108.5939



87.7070, 87.5187, 134.8097



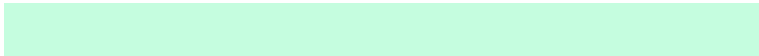
96.0305, 87.5187, 83.1251

Rectangle

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



78.8190, 87.5187, 64.3684



71.5433, 87.5187, 83.0777



87.7070, 87.5187, 134.8097



96.0232, 87.5187, 108.6505

Sweetspot

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



78.8213, 87.5226, 64.3703



92.4537, 98.9349, 96.4281



67.0445, 62.9416, 60.2464



19.7309, 21.1523, 20.3621



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.



78.8213, 87.5226, 64.3703



85.7999, 96.1942, 64.9665



71.0778, 83.5307, 64.0079



17.8437, 19.2770, 17.5779



36.0732, 44.7092, 6.7285



3.1909, 3.9400, 0.5923

Inverse Universe

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



58.8735, 57.4345, 93.5757



60.1415, 57.4912, 102.5349



65.7063, 60.9569, 93.8955



15.6438, 15.9590, 20.7985



8.9742, 3.6007, 46.7600



0.8104, 0.3276, 4.1108

Previews

White Background



This preview shows how the XYZ color 78.8190, 87.5187, 64.3684 looks on a white background.

Color Contrast Check

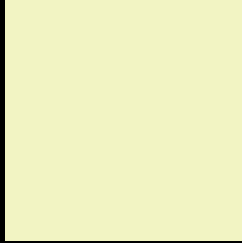
Large Text (above 18pt) WCAG AA × Fail

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 78.8190, 87.5187, 64.3684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

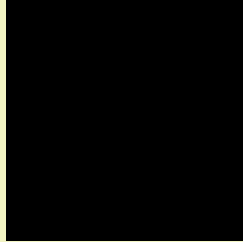
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

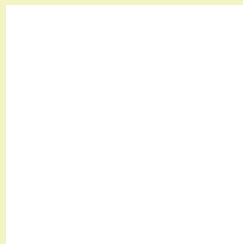
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.8190, 87.5187, 64.3684

Background



This preview shows how black text looks on a background with the XYZ color 78.8190, 87.5187, 64.3684.

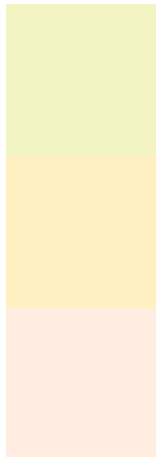


This preview shows how white text looks on a background with the XYZ color 78.8190, 87.5187,

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

78.8190, 87.5187, 64.3684

Protanopia

82.0257, 87.4304, 63.0046

Deuteranopia

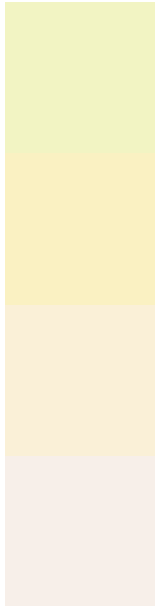
85.2517, 87.3194, 84.3126



Tritanopia

87.3092, 87.4707, 106.0478

Trichromacy



Original Color

78.8190, 87.5187, 64.3684

Protanomaly

80.6172, 87.1296, 63.6077

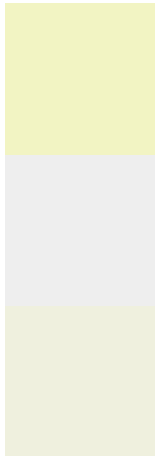
Deuteranomaly

82.8502, 87.5505, 76.8222

Tritanomaly

83.9323, 87.3904, 89.5351

Monochromacy



Original Color

78.8190, 87.5187, 64.3684

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

79.9415, 85.9448, 81.4829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8190, 87.5187, 64.3684 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(242, 244, 195)` looks like.

```
.text, #text, p{  
    color:rgb(242, 244, 195)  
}
```

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(242, 244, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 244, 195) }
```

Border

The CSS property to change the border of an element to XYZ 78.8190, 87.5187, 64.3684 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(242, 244, 195) }
```


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

```
.border{ border-color:rgb(242, 244, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 244, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 244, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 244, 195);  
box-shadow:4px 4px 4px 4px rgb(242, 244,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8190, 87.5187, 64.3684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 244, 195) }
```

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

```
.background{ background-color: rgb(242,  
244, 195) }
```

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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