

Converting Colors

XYZ(78.4129, 87.4372, 58.6357)

Have a look what the booklet for
XYZ(78.4129, 87.4372, 58.6357)
contains.

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Color

**XYZ(78.4159, 87.4372,
58.6431)**

Conversions

Conversions Part 1

Format	Color
Hex	F4F4B9
RGB	244, 244, 185
RGB Percent	96%, 96%, 73%
CMY	0.0431, 0.0431, 0.2745
CMYK	0.00, 0.00, 0.24, 0.04
HSL	60°, 73%, 84%
HSV	60°, 24%, 96%
XYZ	78.4159, 87.4372, 58.6431
YIQ	237.2740, 18.9390, -18.3490

Conversions

Conversions Part 2

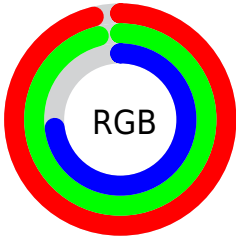
Format	Color
R_{YB}	185, 244, 185
Decimal	16053433
CIE _{Lab}	94.92, -9.17, 28.52
CIE _{LCh}	95, 29.962, 107.821
Yxy	87.4372, 0.3493, 0.3895
Android (android.graphics.Color)	4294243513 (0xFFFF4F4B9)
YUV	237.2740, -25.7711, 5.8987
Hunter-Lab	93.5079, -13.9483, 28.2720

Details

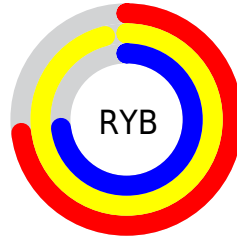
The XYZ color **78.4159, 87.4372, 58.6431** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.6889, 51.5462, 92.7125**, and the grayscale version is **80.8915, 85.1041, 92.6784**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **42.6416, 48.1972, 28.8853** is the 20% darker color. If you saturate the color by 10%, you get **76.0581, 86.4970, 46.2212**, and if you desaturate by 10%, it is **81.2203, 88.5621, 73.3969**.

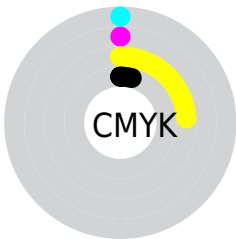
Distribution



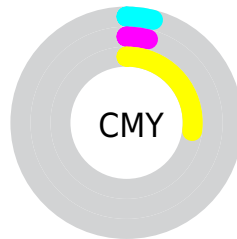
- Red (96%)
- Green (96%)
- Blue (73%)



- Red (73%)
- Yellow (96%)
- Blue (73%)



- Cyan (0%)
- Magenta (0%)
- Yellow (24%)
- Black (4%)





- Cyan (4%)
- Magenta (4%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4159, 87.4372, 58.6431 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 78.4159, 87.4372, 58.6431 by changing the saturation by 10% instead.


 78.4159, 87.4372,
58.6431

 78.4159, 87.4372,
58.6431


478.3964,
519.6584, 437.2430

 58.7197, 65.8571,
41.9078


 130.0985,
143.7734, 104.3828

 42.6330, 48.1564,
28.7040


162.8156,
179.2982, 134.2242

 29.7905, 33.9507,
18.6134


200.6037,
220.2400, 169.2714

 19.8269, 22.8558,
11.2173

243.8281,
266.9833, 209.9429

 12.3768, 14.4870,
6.0972

292.8542,
319.9124, 256.6573

 7.0749, 8.4602,
2.8345

348.0474,

 3.5557, 4.3908,

379.4117, 309.8331

1.0108

409.7730,
445.8655, 369.8888

■ 1.4540, 1.8945,
0.0000

■ 0.2942, 0.5451,
0.0000

■ 78.4159, 87.4372,
58.6431

■ 78.4159, 87.4372,
58.6431

■ 76.0581, 86.4970,
46.2212

■ 81.2203, 88.5621,
73.3969

■ 74.1176, 85.7207,
36.0069


■ 84.4856, 89.8683,
90.5874


■ 72.5721, 85.1024,
27.8725


■ 87.7133, 91.1594,
107.5803


■ 71.3945, 84.6313,
21.6753


■ 87.7141, 91.1598,
107.5803


 70.5542, 84.2951,
17.2545


 87.7149, 91.1602,
107.5804


 70.0159, 84.0797,
14.4235


 87.7156, 91.1606,
107.5804

 69.7361, 83.9677,
12.9544

 87.7164, 91.1610,
107.5804

 69.6550, 83.9352,
12.5299

 87.7172, 91.1614,
107.5805

 87.7180, 91.1618,
107.5805

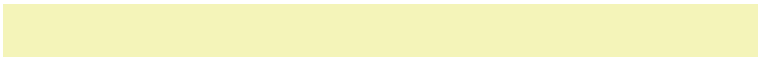
Harmonies

Analogous

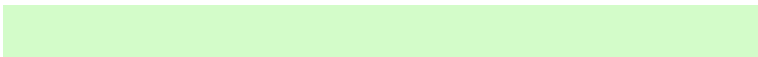
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4463, 87.4372, 57.8217



78.4159, 87.4372, 58.6431



72.0576, 87.4372, 68.2094

Triad

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



78.4159, 87.4372, 58.6431



73.0510, 87.4372, 132.3620



99.3334, 87.4372, 104.9595

Complementary

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



78.4159, 87.4372, 58.6431



53.6889, 51.5462, 92.7125

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.



95.2306, 87.4372, 128.5201



78.4159, 87.4372, 58.6431



79.8537, 87.4372, 145.9832

Square

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



78.4159, 87.4372, 58.6431



69.1019, 87.4372, 109.5656



87.9804, 87.4372, 144.4725



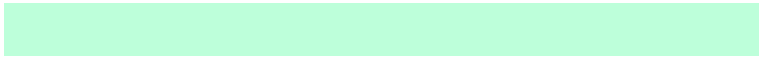
98.8858, 87.4372, 82.1560

Rectangle

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



78.4159, 87.4372, 58.6431



69.4618, 87.4372, 79.2920



87.9804, 87.4372, 144.4725



98.4302, 87.4372, 113.1145

Sweetspot

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



78.4182, 87.4411, 58.6450



92.3074, 98.9029, 94.4608



63.4170, 57.4359, 53.6440



19.7096, 21.1501, 19.9658



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

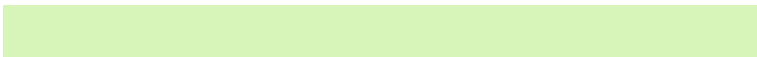
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4182, 87.4411, 58.6450



85.3431, 96.1170, 57.7973



68.9887, 82.5800, 58.2037



17.9146, 19.3135, 17.5813



37.8725, 45.6368, 6.8127



3.3287, 4.0111, 0.5988

Inverse Universe

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



53.6889, 51.5462, 92.7125



53.6534, 50.1187, 101.4538



61.5584, 55.6030, 93.0808



15.5814, 15.9268, 20.7955



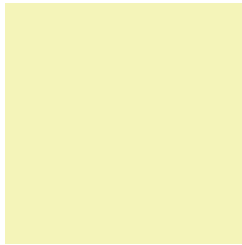
8.8791, 3.5517, 46.7556



0.7804, 0.3122, 4.1094

Previews

White Background



This preview shows how the XYZ color 78.4159, 87.4372, 58.6431 looks on a white background.

Color Contrast Check

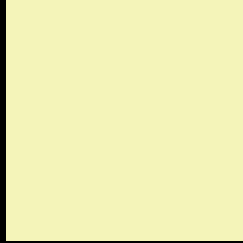
Large Text (above 18pt) WCAG AA × Fail

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 78.4159, 87.4372, 58.6431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

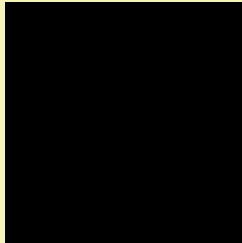
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.4159, 87.4372, 58.6431

Background



This preview shows how black text looks on a background with the XYZ color 78.4159, 87.4372, 58.6431.

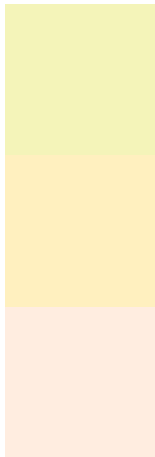


This preview shows how white text looks on a background with the XYZ color 78.4159, 87.4372,

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

78.4159, 87.4372, 58.6431

Protanopia

81.8041, 87.3418, 61.8373

Deuteranopia

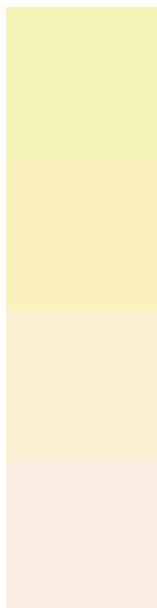
84.9787, 87.2102, 82.8754



Tritanopia

87.9460, 87.3912, 105.1614

Trichromacy



Original Color

78.4159, 87.4372, 58.6431

Protanomaly

80.4243, 87.0939, 60.7161

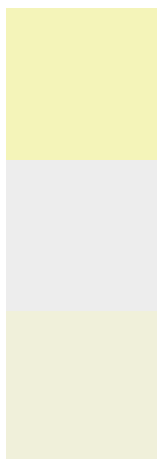
Deuteranomaly

82.5766, 87.4825, 73.5063

Tritanomaly

84.0025, 87.0745, 85.7784

Monochromacy



Original Color

78.4159, 87.4372, 58.6431

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.7502, 85.9074, 78.7082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4159, 87.4372, 58.6431 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(244, 244, 185)` looks like.

```
.text, #text, p{  
    color:rgb(244, 244, 185)  
}
```

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(244, 244, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 244, 185) }
```

Border

The CSS property to change the border of an element to XYZ 78.4159, 87.4372, 58.6431 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(244, 244, 185) }
```


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

```
.border{ border-color:rgb(244, 244, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 244, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 244, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 244, 185);  
box-shadow:4px 4px 4px 4px rgb(244, 244,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4159, 87.4372, 58.6431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 244, 185) }
```

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

```
.background{ background-color: rgb(244,  
244, 185) }
```

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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