

Converting Colors

XYZ(80.2128, 80.3428, 92.1724)

Have a look what the booklet for
XYZ(80.2128, 80.3428, 92.1724)
contains.

XYZ(80.2099, 80.3443, 92.1694)	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(80.2099, 80.3443,
92.1694)**

Conversions

Conversions Part 1

Format	Color
Hex	F4E3EE
RGB	244, 227, 238
RGB Percent	96%, 89%, 93%
CMY	0.0431, 0.1098, 0.0667
CMYK	0.00, 0.07, 0.02, 0.04
HSL	321°, 44%, 92%
HSV	321°, 7%, 96%
XYZ	80.2099, 80.3443, 92.1694
YIQ	233.3370, 6.6010, 7.0250

Conversions

Conversions Part 2

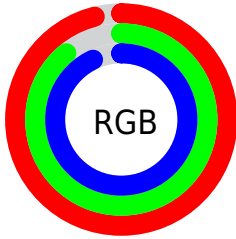
Format	Color
R _Y B	244, 227, 238
Decimal	16049134
CIE Lab	91.84, 7.67, -3.26
CIE LCh	92, 8.339, 336.961
Yxy	80.3443, 0.3174, 0.3179
Android (android.graphics.Color)	4294239214 (0xFFFF4E3EE)
YUV	233.3370, 2.2989, 9.3515
Hunter-Lab	89.6350, 2.8696, 1.7781

Details

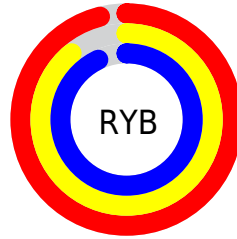
The XYZ color **80.2099, 80.3443, 92.1694** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.7402, 86.9175, 89.7217**, and the grayscale version is **77.6876, 81.7334, 89.0077**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9351, 43.5738, 50.3509** is the 20% darker color. If you saturate the color by 10%, you get **72.7687, 67.4380, 83.5944**, and if you desaturate by 10%, it is **88.6620, 95.1732, 101.3821**.

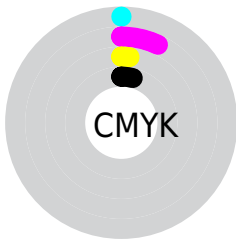
Distribution



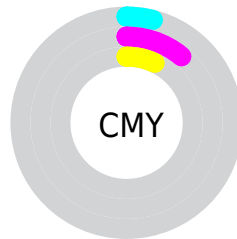
- Red (96%)
- Green (89%)
- Blue (93%)



- Red (96%)
- Yellow (89%)
- Blue (93%)



- Cyan (0%)
- Magenta (7%)
- Yellow (2%)
- Black (4%)





- Cyan (4%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.2099, 80.3443, 92.1694 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 80.2099, 80.3443, 92.1694 by changing the saturation by 10% instead.


 80.2099, 80.3443,
92.1694

 80.2099, 80.3443,
92.1694


484.3657,
496.0924, 555.8140

 60.2002, 60.0017,
69.1975

132.6098,
133.8497, 152.3099

 43.8301, 43.4200,
50.3998


165.7306,
167.7813, 190.3156

 30.7343, 30.2148,
35.3578


203.9525,
207.0114, 234.1696

 20.5474, 20.0017,
23.6529

247.6409,
251.9243, 284.2906

 12.9042, 12.3963,
14.8665

297.1610,
302.9044, 341.0969

 7.4391, 7.0142,
8.5802

352.8783,

 3.7870, 3.4710,

360.3362, 405.0073

4.3753

415.1581,
424.6041, 476.4401

■ 1.5823, 1.3823,
1.8334

■ 0.3809, 0.2036,
0.4499

■ 80.2099, 80.3443,
92.1694

■ 80.2099, 80.3443,
92.1694

■ 72.7687, 67.4380,
83.5944

■ 88.6620, 95.1732,
101.3821

■ 66.2910, 56.3644,
75.6343

■ 91.1187, 97.9733,
108.7160

■ 60.7361, 47.0419,
68.2722

■ 56.0572, 39.3787,
61.4882

■ 52.2035, 33.2746,
55.2610

■ 49.1187, 28.6184,
49.5673

■ 46.7391, 25.2841,
44.3812

■ 44.9900, 23.1239,
39.6731

■ 43.7761, 21.9489,
35.4064

Harmonies

Analogous

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



78.8629, 80.3443, 97.2280



80.2099, 80.3443, 92.1694



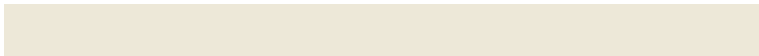
80.5177, 80.3443, 86.0625

Triad

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



80.2099, 80.3443, 92.1694



75.8678, 80.3443, 76.3095



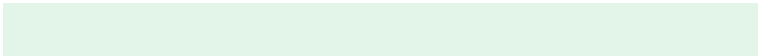
73.1275, 80.3443, 94.7514

Complementary

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



80.2099, 80.3443, 92.1694



78.7402, 86.9175, 89.7217

Split Complementary

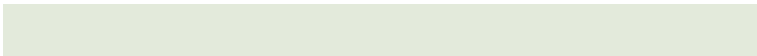
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.3573, 80.3443, 88.9155



80.2099, 80.3443, 92.1694



73.9201, 80.3443, 78.4087

Square

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



80.2099, 80.3443, 92.1694



77.9847, 80.3443, 77.0901



72.6447, 80.3443, 82.9549



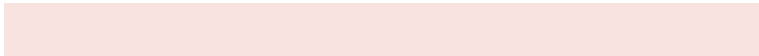
74.7676, 80.3443, 98.7666

Rectangle

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



80.2099, 80.3443, 92.1694



80.0872, 80.3443, 82.2524



72.6447, 80.3443, 82.9549



72.7597, 80.3443, 92.9273

Sweetspot

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



80.2122, 80.3478, 92.1711



93.1560, 96.6737, 106.8453



77.3893, 78.7890, 96.7180



19.9591, 20.7270, 22.8909



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

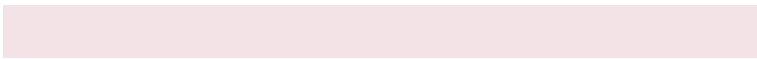
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2122, 80.3478, 92.1711



87.7459, 87.2127, 100.8520



78.9999, 79.8629, 85.7871



16.9507, 16.6631, 19.4871



23.7028, 11.8246, 18.9411



2.1319, 1.0587, 1.9211

Inverse Universe

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



80.2122, 80.3478, 92.1711



87.7459, 87.2127, 100.8520



79.9763, 87.4119, 96.2305



16.9507, 16.6631, 19.4871



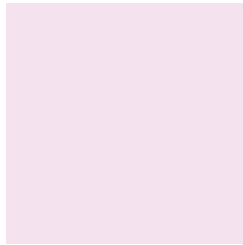
23.7028, 11.8246, 18.9411



2.1319, 1.0587, 1.9211

Previews

White Background



This preview shows how the XYZ color 80.2099, 80.3443, 92.1694 looks on a white background.

Color Contrast Check

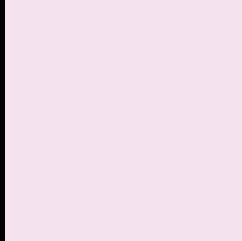
Large Text (above 18pt) WCAG AA × Fail

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 80.2099, 80.3443, 92.1694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

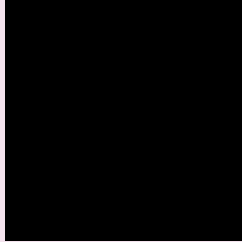
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

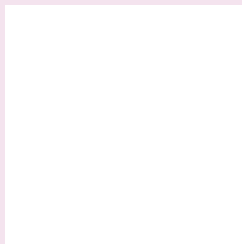
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2099, 80.3443, 92.1694

Background



This preview shows how black text looks on a background with the XYZ color 80.2099, 80.3443, 92.1694.



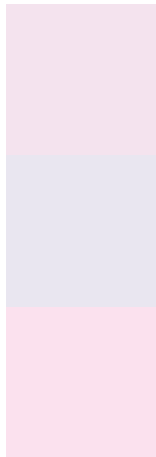
This preview shows how white text looks on a background with the XYZ color 80.2099, 80.3443,

92.1694.

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

80.2099, 80.3443, 92.1694

Protanopia

77.6293, 80.2085, 93.8284

Deuteranopia

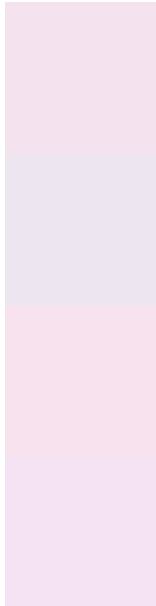
82.1415, 80.5327, 92.1040



Tritanopia

81.1817, 80.3368, 96.8158

Trichromacy



Original Color

80.2099, 80.3443, 92.1694

Protanomaly

78.5244, 80.2751, 93.0173

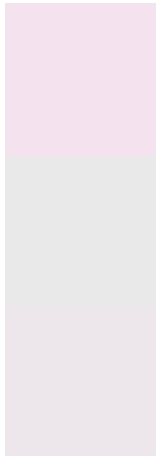
Deuteranomaly

81.3404, 80.5222, 92.1442

Tritanomaly

80.8796, 80.2160, 95.2248

Monochromacy



Original Color

80.2099, 80.3443, 92.1694

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

78.4964, 81.1545, 90.1244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2099, 80.3443, 92.1694 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, 227, 238) looks like.

```
.text, #text, p{  
    color:rgb(244, 227, 238)  
}
```

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, 227, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 227, 238) }
```

Border

The CSS property to change the border of an element to XYZ 80.2099, 80.3443, 92.1694 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, 227, 238) }
```


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

```
.border{ border-color:rgb(244, 227, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 227, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 227, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 227, 238);  
box-shadow:4px 4px 4px 4px rgb(244, 227,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2099, 80.3443, 92.1694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 227, 238) }
```

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

```
.background{ background-color: rgb(244,  
227, 238) }
```

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