

Converting Colors

XYZ(80.9921, 83.9156,
101.9909)

Have a look what the booklet for
XYZ(80.9921, 83.9156, 101.9909)
contains.

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Color

**XYZ(80.8953, 83.8112,
102.3560)**

Conversions

Conversions Part 1

Format	Color
Hex	EAEBFA
RGB	234, 235, 250
RGB Percent	92%, 92%, 98%
CMY	0.0823, 0.0784, 0.0196
CMYK	0.06, 0.06, 0.00, 0.02
HSL	236°, 62%, 95%
HSV	236°, 6%, 98%
XYZ	80.8953, 83.8112, 102.3560
YIQ	236.4110, -5.4110, 4.4530

Conversions

Conversions Part 2

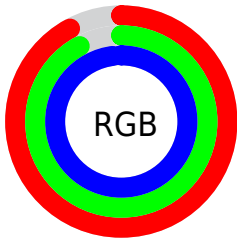
Format	Color
RYB	234, 235, 250
Decimal	15395834
CIELab	93.37, 2.42, -7.35
CIELCh	93, 7.744, 288.243
Yxy	83.8112, 0.3029, 0.3138
Android (android.graphics.Color)	4293585914 (0xFFEAEBFA)
YUV	236.4110, 6.6994, -2.1144
Hunter-Lab	91.5485, -2.4812, -2.2054

Details

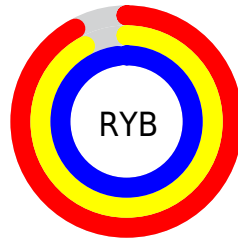
The XYZ color **80.8953, 83.8112, 102.3560** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.1515, 94.0150, 91.3439**, and the grayscale version is **79.9990, 84.1652, 91.6559**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2178, 45.6002, 57.5101** is the 20% darker color. If you saturate the color by 10%, you get **66.9875, 67.3318, 99.9095**, and if you desaturate by 10%, it is **94.2556, 99.6822, 104.7165**.

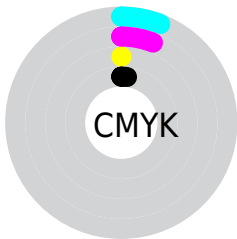
Distribution



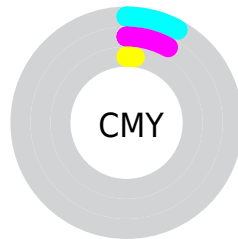
- Red (92%)
- Green (92%)
- Blue (98%)



- Red (92%)
- Yellow (92%)
- Blue (98%)



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (8%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8953, 83.8112, 102.3560 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 80.8953, 83.8112, 102.3560 by changing the saturation by 10% instead.

80.8953, 83.8112,
102.3560

80.8953, 83.8112,
102.3560

486.6357,
507.6861, 589.0312

60.7664, 62.8596,
77.6418

133.5677,
138.7110, 166.4712

44.2885, 45.7276,
57.2651

166.8418,
173.4280, 206.7092

31.0962, 32.0309,
40.8073

205.2284,
213.5023, 252.9588

20.8243, 21.3851,
27.8500

249.0928,
259.3182, 305.6387

13.1074, 13.4058,
17.9745

298.8004,
311.2601, 365.1673

7.5800, 7.7086,
10.7625

354.7165,

3.8770, 3.9090,

369.7125, 431.9633

5.7952

417.2065,
435.0597, 506.4450

■ 1.6328, 1.6228,
2.6542

■ 0.4136, 0.3729,
0.9202

■ 80.8953, 83.8112,
102.3560

■ 80.8953, 83.8112,
102.3560

■ 66.9875, 67.3318,
99.9095

94.2556, 99.6822,
104.7165

■ 55.0366, 53.1197,
97.7961

■ 44.9567, 41.0789,
96.0033

■ 36.6532, 31.1024,
94.5153

■ 30.0227, 23.0741,
93.3151

■ 24.9514, 16.8663,
92.3842

■ 21.3113, 12.3362,
91.7016

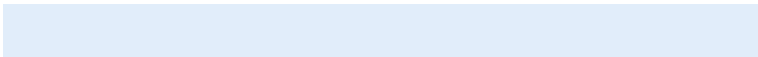
■ 18.9539, 9.3196,
91.2436

■ 17.6973, 7.6185,
90.9815

Harmonies

Analogous

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



78.8628, 83.8112, 102.7118



80.8953, 83.8112, 102.3560



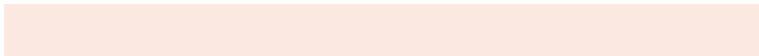
82.6246, 83.8112, 98.9504

Triad

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



80.8953, 83.8112, 102.3560



82.3032, 83.8112, 83.1234



75.8781, 83.8112, 88.9843

Complementary

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



80.8953, 83.8112, 102.3560



88.1515, 94.0150, 91.3439

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.



76.7673, 83.8112, 83.9715



80.8953, 83.8112, 102.3560



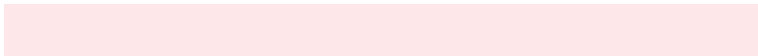
80.4626, 83.8112, 80.6856

Square

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



80.8953, 83.8112, 102.3560



83.4469, 83.8112, 87.7816



78.4374, 83.8112, 80.9893



75.9895, 83.8112, 94.8212

Rectangle

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



80.8953, 83.8112, 102.3560



83.3620, 83.8112, 95.4874



78.4374, 83.8112, 80.9893



76.0693, 83.8112, 87.1518

Sweetspot

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



80.8977, 83.8148, 102.3578



91.6925, 96.0335, 108.3113



85.2071, 92.7004, 102.9714



19.6611, 20.5967, 23.1893



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.



80.8977, 83.8148, 102.3578



82.1398, 84.7358, 106.6342



82.9324, 84.4382, 102.3710



16.3704, 16.8177, 21.7686



9.2823, 3.9201, 48.2410



0.8894, 0.4224, 4.4778

Inverse Universe

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



83.8444, 85.1694, 90.6217



85.9568, 86.4970, 91.4304



86.0234, 93.3796, 91.3334



17.2888, 17.2429, 18.1104



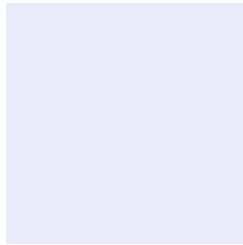
20.9773, 10.8066, 1.3229



1.9578, 1.0069, 0.2014

Previews

White Background



This preview shows how the XYZ color 80.8953, 83.8112, 102.3560 looks on a white background.

Color Contrast Check

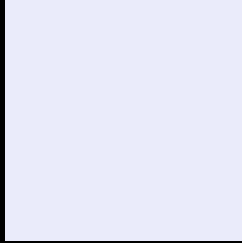
Large Text (above 18pt) WCAG AA × Fail

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 80.8953, 83.8112, 102.3560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

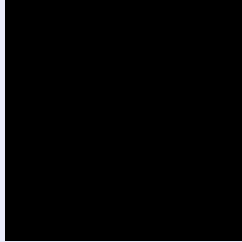
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

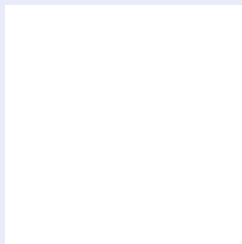
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8953, 83.8112, 102.3560

Background



This preview shows how black text looks on a background with the XYZ color 80.8953, 83.8112, 102.3560.



This preview shows how white text looks on a background with the XYZ color 80.8953, 83.8112,

102.3560.

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

80.8953, 83.8112, 102.3560

Protanopia

81.2702, 83.5806, 102.2918

Deuteranopia

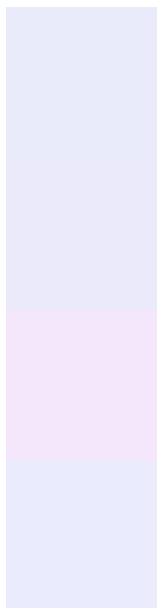
85.5768, 83.6991, 102.9119



Tritanopia

81.3696, 84.0009, 104.8537

Trichromacy



Original Color

80.8953, 83.8112, 102.3560

Protanomaly

80.9391, 83.4099, 102.2763

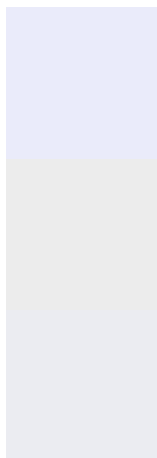
Deuteranomaly

83.6447, 83.5293, 102.9810

Tritanomaly

81.2107, 83.9374, 104.0167

Monochromacy



Original Color

80.8953, 83.8112, 102.3560

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.1336, 84.0039, 95.2100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8953, 83.8112, 102.3560 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(234, 235, 250)` looks like.

```
.text, #text, p{  
    color:rgb(234, 235, 250)  
}
```

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(234, 235, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 235, 250) }
```

Border

The CSS property to change the border of an element to XYZ 80.8953, 83.8112, 102.3560 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(234, 235, 250) }
```


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

```
.border{ border-color:rgb(234, 235, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 235, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 235, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 235, 250);  
box-shadow:4px 4px 4px 4px rgb(234, 235,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8953, 83.8112, 102.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 235, 250) }
```

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

```
.background{ background-color: rgb(234,  
235, 250) }
```

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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