

Converting Colors

XYZ(77.8207, 79.3745, 93.4238)

Have a look what the booklet for
XYZ(77.8207, 79.3745, 93.4238)
contains.

XYZ(78.0637, 79.6109, 93.6901)	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(78.0637, 79.6109,
93.6901)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE4F0
RGB	236, 228, 240
RGB Percent	93%, 89%, 94%
CMY	0.0745, 0.1059, 0.0588
CMYK	0.02, 0.05, 0.00, 0.06
HSL	280°, 29%, 92%
HSV	280°, 5%, 94%
XYZ	78.0637, 79.6109, 93.6901
YIQ	231.7600, 0.9160, 5.4280

Conversions

Conversions Part 2

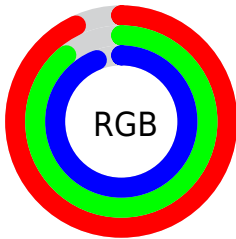
Format	Color
R_{YB}	236, 228, 240
Decimal	15525104
CIE _{Lab}	91.51, 4.84, -4.87
CIE _{LCh}	92, 6.863, 314.848
Yxy	79.6109, 0.3106, 0.3167
Android (android.graphics.Color)	4293715184 (0xFFECE4F0)
YUV	231.7600, 4.0623, 3.7185
Hunter-Lab	89.2249, 0.0276, 0.2004

Details

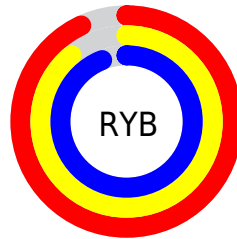
The XYZ color **78.0637, 79.6109, 93.6901** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.4452, 85.0794, 85.6902**, and the grayscale version is **76.4944, 80.4781, 87.6406**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4177, 43.0511, 51.4214** is the 20% darker color. If you saturate the color by 10%, you get **69.3175, 65.9736, 91.5200**, and if you desaturate by 10%, it is **87.8500, 95.1494, 96.1747**.

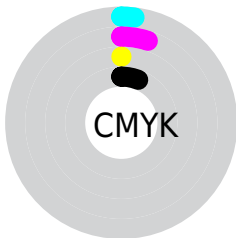
Distribution



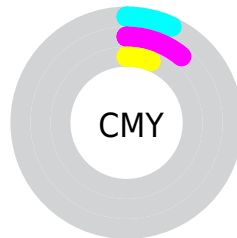
- Red (93%)
- Green (89%)
- Blue (94%)



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



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0637, 79.6109, 93.6901 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 78.0637, 79.6109, 93.6901 by changing the saturation by 10% instead.

78.0637, 79.6109,
93.6901

78.0637, 79.6109,
93.6901

477.2196,
493.6206, 560.8398

58.4293, 59.3982,
70.4544

129.6048,
132.8185, 154.4336

42.3985, 42.9338,
51.4180

162.2422,
166.5823, 192.7785

29.6059, 29.8332,
36.1623

199.9446,
205.6318, 236.9969

19.6862, 19.7120,
24.2689

243.0774,
250.3516, 287.5073

12.2741, 12.1859,
15.3192

292.0060,
301.1260, 344.7282

7.0042, 6.8704,
8.8946

347.0956,

3.5111, 3.3812,

358.3393, 409.0783

4.5766

408.7117,
422.3761, 480.9759

■ 1.4294, 1.3338,
1.9467

■ 0.2770, 0.1672,
0.5222

■ 78.0637, 79.6109,
93.6901

■ 78.0637, 79.6109,
93.6901

■ 69.3175, 65.9736,
91.5200

■ 87.8500, 95.1494,
96.1747

■ 61.5654, 54.1513,
89.6467

■ 91.6353, 98.5078,
96.6235

■ 54.7681, 44.0665,
88.0583

■ 92.7284, 99.0714,
96.6746

■ 48.8808, 35.6318,
86.7406

■ 43.8546, 28.7523,
85.6776

■ 39.6360, 23.3230,
84.8520

■ 36.1645, 19.2256,
84.2441

■ 33.3700, 16.3226,
83.8310

■ 31.1669, 14.4454,
83.5848

Harmonies

Analogous

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



76.5326, 79.6109, 96.3271



78.0637, 79.6109, 93.6901



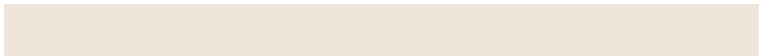
78.9596, 79.6109, 89.2239

Triad

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



78.0637, 79.6109, 93.6901



76.5499, 79.6109, 77.7168



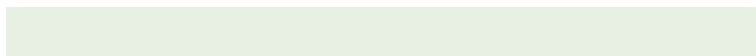
72.4642, 79.6109, 89.1737

Complementary

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



78.0637, 79.6109, 93.6901



78.4452, 85.0794, 85.6902

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.



72.4687, 79.6109, 84.1903



78.0637, 79.6109, 93.6901



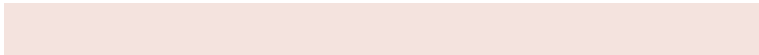
74.8095, 79.6109, 77.7046

Square

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



78.0637, 79.6109, 93.6901



78.0765, 79.6109, 80.0679



73.3214, 79.6109, 80.0338



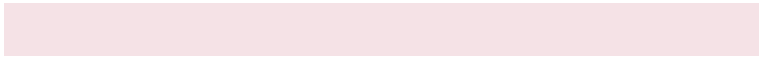
73.3091, 79.6109, 93.6522

Rectangle

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



78.0637, 79.6109, 93.6901



79.0675, 79.6109, 85.8714



73.3214, 79.6109, 80.0338



72.3669, 79.6109, 87.4991

Sweetspot

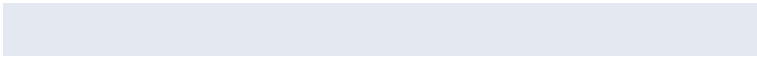
The Sweet Spot groups the original color and five complimentary colors.



78.0660, 79.6143, 93.6918



93.9298, 98.2229, 108.6160



76.6391, 80.6144, 93.9601



20.1167, 21.0425, 23.2513



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.



78.0660, 79.6143, 93.6918



88.5100, 89.6690, 107.2506



79.1429, 80.2002, 92.3536



16.4591, 16.6076, 20.0597



16.6908, 7.6098, 45.7170



1.4935, 0.6872, 3.8081

Inverse Universe

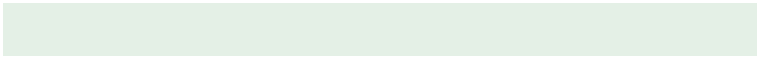
The Inverse Universe completely reimagines the original color for something new.



78.2468, 79.8418, 87.6346



88.7629, 89.9841, 98.9174



77.4127, 84.5181, 86.9528



16.5117, 16.6728, 18.3445



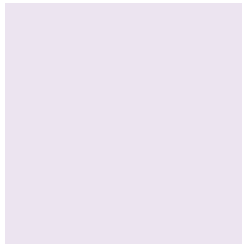
20.5195, 10.4802, 5.3864



1.7515, 0.8896, 0.6823

Previews

White Background



This preview shows how the XYZ color 78.0637, 79.6109, 93.6901 looks on a white background.

Color Contrast Check

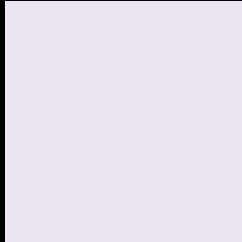
Large Text (above 18pt) WCAG AA × Fail

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 78.0637, 79.6109, 93.6901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

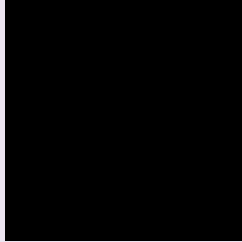
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

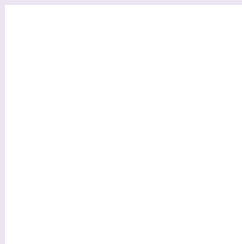
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.0637, 79.6109, 93.6901

Background



This preview shows how black text looks on a background with the XYZ color 78.0637, 79.6109, 93.6901.



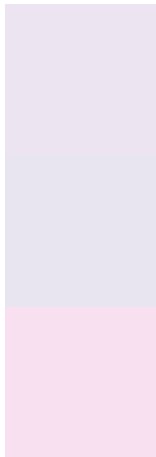
This preview shows how white text looks on a background with the XYZ color 78.0637, 79.6109,

93.6901.

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

78.0637, 79.6109, 93.6901

Protanopia

77.1752, 79.5453, 94.5053

Deuteranopia

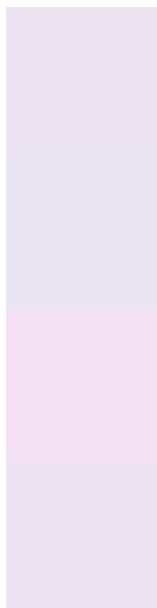
81.2442, 79.6186, 94.3050



Tritanopia

78.8756, 79.5353, 97.5809

Trichromacy



Original Color

78.0637, 79.6109, 93.6901

Protanomaly

77.5008, 79.7131, 94.5205

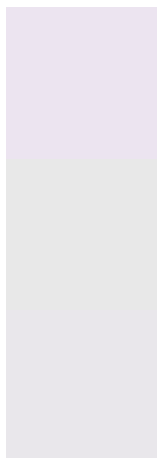
Deuteranomaly

80.1106, 79.4344, 94.3292

Tritanomaly

78.5718, 79.4138, 95.9812

Monochromacy



Original Color

78.0637, 79.6109, 93.6901

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.1756, 80.4736, 90.0626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0637, 79.6109, 93.6901 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(236, 228, 240) looks like.

```
.text, #text, p{  
    color:rgb(236, 228, 240)  
}
```

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(236, 228, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 228, 240) }
```

Border

The CSS property to change the border of an element to XYZ 78.0637, 79.6109, 93.6901 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(236, 228, 240) }
```


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

```
.border{ border-color:rgb(236, 228, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 228, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 228, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 228, 240);  
box-shadow:4px 4px 4px 4px rgb(236, 228,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0637, 79.6109, 93.6901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 228, 240) }
```

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

```
.background{ background-color: rgb(236,  
228, 240) }
```

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