

Converting Colors

XYZ(76.6868, 78.5450, 91.2396)

Have a look what the booklet for
XYZ(76.6868, 78.5450, 91.2396)
contains.

XYZ(76.6868, 78.5450, 91.2396)	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(76.6868, 78.5450,
91.2396)**

Conversions

Conversions Part 1

Format	Color
Hex	EAE3ED
RGB	234, 227, 237
RGB Percent	92%, 89%, 93%
CMY	0.0823, 0.1098, 0.0706
CMYK	0.01, 0.04, 0.00, 0.07
HSL	282°, 22%, 91%
HSV	282°, 4%, 93%
XYZ	76.6868, 78.5450, 91.2396
YIQ	230.2330, 0.9620, 4.5940

Conversions

Conversions Part 2

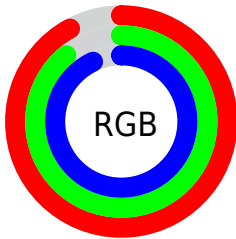
Format	Color
R_{YB}	234, 227, 237
Decimal	15393773
CIE _{Lab}	91.03, 4.15, -4.02
CIE _{LCh}	91, 5.779, 315.874
Yxy	78.5450, 0.3111, 0.3187
Android (android.graphics.Color)	4293583853 (0xFFEAE3ED)
YUV	230.2330, 3.3361, 3.3037
Hunter-Lab	88.6256, -0.6407, 0.9992

Details

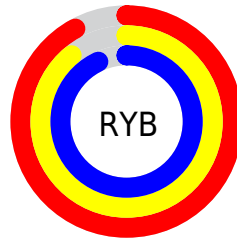
The XYZ color **76.6868, 78.5450, 91.2396** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.7854, 82.9395, 84.6389**, and the grayscale version is **75.3638, 79.2885, 86.3452**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4531, 42.3062, 49.6972** is the 20% darker color. If you saturate the color by 10%, you get **68.3579, 65.2836, 89.1200**, and if you desaturate by 10%, it is **86.0062, 93.6460, 93.6644**.

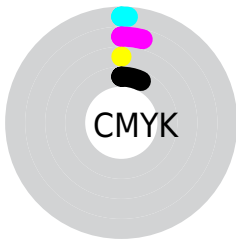
Distribution



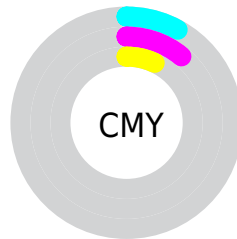
- Red (92%)
- Green (89%)
- Blue (93%)



- Red (92%)
- Yellow (89%)
- Blue (93%)



- Cyan (1%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)



- Cyan (8%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6868, 78.5450, 91.2396 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 76.6868, 78.5450, 91.2396 by changing the saturation by 10% instead.

76.6868, 78.5450,
91.2396

76.6868, 78.5450,
91.2396

472.6038,
490.0157, 552.7288

57.2949, 58.5218,
68.4297

127.6725,
131.3181, 151.0096

41.4831, 42.2283,
49.7785

159.9969,
164.8368, 188.8068

28.8861, 29.2801,
34.8675

197.3629,
203.6228, 232.4368

19.1385, 19.2928,
23.2781

240.1359,
248.0604, 282.3183

11.8750, 11.8820,
14.5918

288.6811,
298.5342, 338.8697

6.7302, 6.6634,
8.3900

343.3639,

3.3388, 3.2525,

355.4284, 402.5095

4.2541

404.5497,
419.1274, 473.6564

■ 1.3353, 1.2649,
1.7658

■ 0.2094, 0.1138,
0.4052

■ 76.6868, 78.5450,
91.2396

■ 76.6868, 78.5450,
91.2396

■ 68.3579, 65.2836,
89.1200

■ 86.0062, 93.6460,
93.6644

■ 60.9754, 53.7786,
87.2885

■ 89.8382, 97.6325,
94.2319

■ 54.5018, 43.9554,
85.7336

■ 92.2863, 98.8945,
94.3464

■ 48.8943, 35.7302,
84.4415

■ 44.1065, 29.0118,
83.3971

■ 40.0871, 23.6993,
82.5835

■ 36.7786, 19.6797,
81.9820

■ 34.1146, 16.8217,
81.5708

■ 32.0140, 14.9653,
81.3232

Harmonies

Analogous

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



75.4247, 78.5450, 93.4863



76.6868, 78.5450, 91.2396



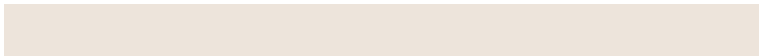
77.4087, 78.5450, 87.4983

Triad

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



76.6868, 78.5450, 91.2396



75.3415, 78.5450, 77.9640



71.9883, 78.5450, 87.7389

Complementary

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



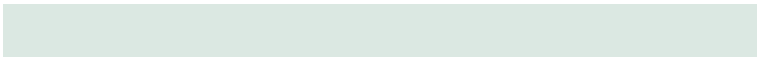
76.6868, 78.5450, 91.2396



76.7854, 82.9395, 84.6389

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.



71.9667, 78.5450, 83.5760



76.6868, 78.5450, 91.2396



73.8899, 78.5450, 78.0237

Square

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



76.6868, 78.5450, 91.2396



76.6252, 78.5450, 79.8830



72.6588, 78.5450, 80.0487



72.7182, 78.5450, 91.4206

Rectangle

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



76.6868, 78.5450, 91.2396



77.4806, 78.5450, 84.7025



72.6588, 78.5450, 80.0487



71.8983, 78.5450, 86.3471

Sweetspot

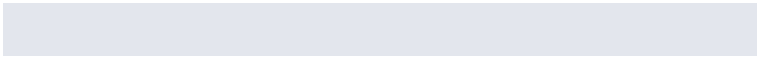
The Sweet Spot groups the original color and five complimentary colors.



76.6891, 78.5484, 91.2413



93.9609, 98.2389, 108.6175



75.3110, 79.1351, 91.4272



20.1230, 21.0457, 23.2516



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.



76.6891, 78.5484, 91.2413



89.7228, 91.4147, 107.5236



77.4160, 78.9539, 89.8846



15.9278, 16.1575, 19.2015



17.0555, 7.8284, 44.3551



1.4356, 0.6644, 3.4874

Inverse Universe

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



76.6798, 78.6594, 86.0082



89.7129, 91.5717, 100.1971



76.0852, 82.5491, 85.9337



15.9263, 16.1894, 17.7242



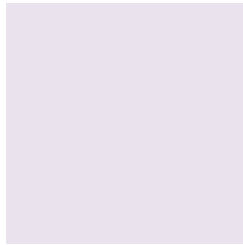
19.7416, 10.0993, 4.4404



1.5913, 0.8095, 0.5654

Previews

White Background



This preview shows how the XYZ color 76.6868, 78.5450, 91.2396 looks on a white background.

Color Contrast Check

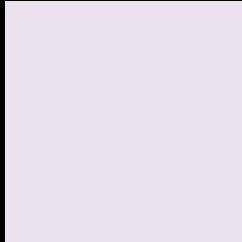
Large Text (above 18pt) WCAG AA × Fail

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 76.6868, 78.5450, 91.2396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

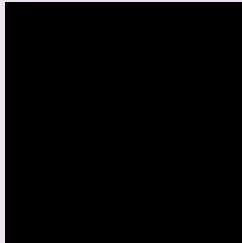
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

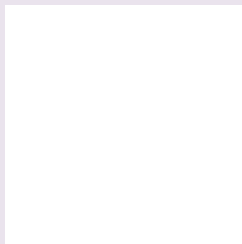
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6868, 78.5450, 91.2396

Background



This preview shows how black text looks on a background with the XYZ color 76.6868, 78.5450, 91.2396.



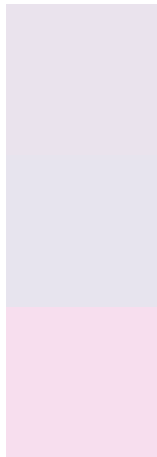
This preview shows how white text looks on a background with the XYZ color 76.6868, 78.5450,

91.2396.

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

76.6868, 78.5450, 91.2396

Protanopia

76.1310, 78.6488, 92.0571

Deuteranopia

79.9117, 78.1898, 91.7693



Tritanopia

77.7864, 78.5865, 96.6569

Trichromacy



Original Color

76.6868, 78.5450, 91.2396

Protanomaly

76.4547, 78.8157, 92.0723

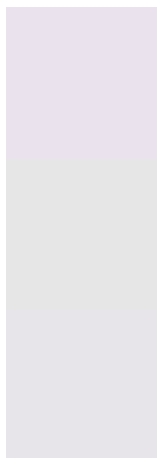
Deuteranomaly

78.7062, 78.3616, 91.8660

Tritanomaly

77.3345, 78.4058, 94.2769

Monochromacy



Original Color

76.6868, 78.5450, 91.2396

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.6823, 78.9107, 88.3332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6868, 78.5450, 91.2396 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, 227, 237) looks like.

```
.text, #text, p{  
    color:rgb(234, 227, 237)  
}
```

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, 227, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 227, 237) }
```

Border

The CSS property to change the border of an element to XYZ 76.6868, 78.5450, 91.2396 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, 227, 237) }
```


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

```
.border{ border-color:rgb(234, 227, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 227, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 227, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 227, 237);  
box-shadow:4px 4px 4px 4px rgb(234, 227,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6868, 78.5450, 91.2396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 227, 237) }
```

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

```
.background{ background-color: rgb(234,  
227, 237) }
```

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