

Converting Colors

XYZ(77.4250, 78.4794, 90.4519)

Have a look what the booklet for
XYZ(77.4250, 78.4794, 90.4519)
contains.

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Color

**XYZ(77.5966, 78.6260,
90.4434)**

Conversions

Conversions Part 1

Format	Color
Hex	EEE2EC
RGB	238, 226, 236
RGB Percent	93%, 89%, 93%
CMY	0.0667, 0.1137, 0.0745
CMYK	0.00, 0.05, 0.01, 0.07
HSL	310°, 26%, 91%
HSV	310°, 5%, 93%
XYZ	77.5966, 78.6260, 90.4434
YIQ	230.7280, 3.9420, 5.6540

Conversions

Conversions Part 2

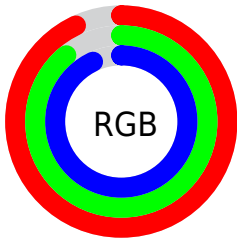
Format	Color
R _Y B	238, 226, 236
Decimal	15655660
CIE Lab	91.06, 5.82, -3.41
CIE LCh	91, 6.749, 329.646
Yxy	78.6260, 0.3146, 0.3188
Android (android.graphics.Color)	4293845740 (0xFFEEE2EC)
YUV	230.7280, 2.5991, 6.3775
Hunter-Lab	88.6713, 1.0313, 1.5950

Details

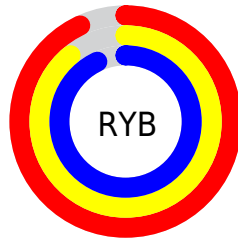
The XYZ color **77.5966, 78.6260, 90.4434** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **75.9452, 82.9214, 85.4056**, and the grayscale version is **75.7346, 79.6787, 86.7702**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0925, 42.3662, 49.1390** is the 20% darker color. If you saturate the color by 10%, you get **70.9994, 66.3430, 85.4321**, and if you desaturate by 10%, it is **85.1094, 92.7175, 95.8250**.

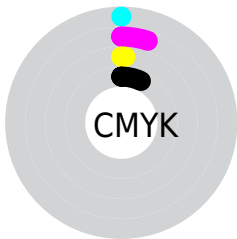
Distribution



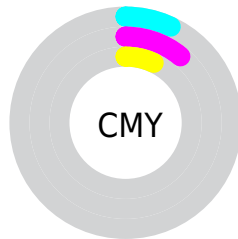
- Red (93%)
- Green (89%)
- Blue (93%)



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



- Cyan (0%)
- Magenta (5%)
- Yellow (1%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5966, 78.6260, 90.4434 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 77.5966, 78.6260, 90.4434 by changing the saturation by 10% instead.

77.5966, 78.6260,
90.4434

77.5966, 78.6260,
90.4434

475.6566,
490.2902, 550.0794

58.0443, 58.5884,
67.7727

128.9497,
131.4322, 149.8950

42.0877, 42.2818,
49.2473

161.4812,
164.9696, 187.5130

29.3613, 29.3220,
34.4487

199.0697,
203.7756, 230.9505

19.5000, 19.3246,
22.9584

242.0808,
248.2348, 280.6261

12.1383, 11.9050,
14.3578

290.8796,
298.7314, 336.9582

6.9108, 6.6791,
8.2283

345.8316,

3.4522, 3.2622,

355.6499, 400.3654

4.1515

407.3021,
419.3747, 471.2663

■ 1.3972, 1.2701,
1.7088

■ 0.2542, 0.1179,
0.3668

■ 77.5966, 78.6260,
90.4434

■ 77.5966, 78.6260,
90.4434

■ 70.9994, 66.3430,
85.4321

■ 85.1094, 92.7175,
95.8250

■ 65.2742, 55.7848,
80.7733

■ 87.3402, 96.2253,
99.5086

■ 60.3838, 46.8760,
76.4552

■ 87.9492, 96.4689,
102.7157

■ 56.2859, 39.5318,
72.4632

■ 88.5712, 96.7177,
105.9914

■ 52.9340, 33.6600,
68.7815

■ 89.0704, 96.9174,
108.6202

■ 50.2773, 29.1585,
65.3926

■ 48.2580, 25.9122,
62.2770

■ 46.8092, 23.7873,
59.4118

■ 45.8485, 22.6192,
56.7692

Harmonies

Analogous

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



76.3651, 78.6260, 94.0327



77.5966, 78.6260, 90.4434



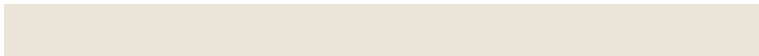
78.0583, 78.6260, 85.6684

Triad

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



77.5966, 78.6260, 90.4434



74.7519, 78.6260, 76.5602



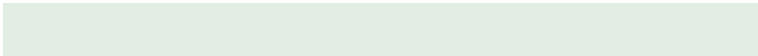
71.9184, 78.6260, 90.3392

Complementary

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



77.5966, 78.6260, 90.4434



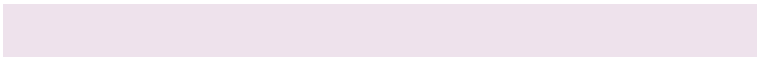
75.9452, 82.9214, 85.4056

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.



71.5009, 78.6260, 85.5524



77.5966, 78.6260, 90.4434



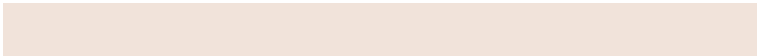
73.1217, 78.6260, 77.7066

Square

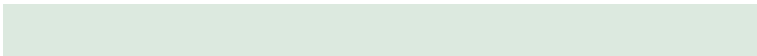
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5966, 78.6260, 90.4434



76.4007, 78.6260, 77.7609



71.9381, 78.6260, 80.9526



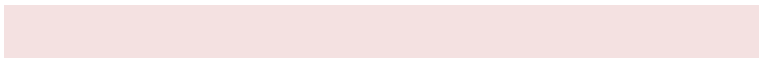
73.0871, 78.6260, 93.9710

Rectangle

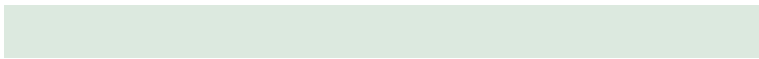
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5966, 78.6260, 90.4434



77.8620, 78.6260, 82.4922



71.9381, 78.6260, 80.9526



71.6863, 78.6260, 88.8061

Sweetspot

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



77.5989, 78.6294, 90.4451



93.3079, 96.7344, 107.6454



74.6272, 77.0637, 91.8317



19.9900, 20.7393, 23.0538



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.



77.5989, 78.6294, 90.4451



89.9538, 90.4605, 105.1885



76.7418, 78.2866, 85.9321



16.7567, 16.7707, 19.6344



25.4202, 12.4405, 31.1932



2.1445, 1.0468, 2.7516

Inverse Universe

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



77.5989, 78.6294, 90.4451



89.9538, 90.4605, 105.1885



76.7925, 83.2603, 89.8676



16.7567, 16.7707, 19.6344



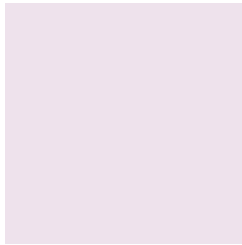
25.4202, 12.4405, 31.1932



2.1445, 1.0468, 2.7516

Previews

White Background



This preview shows how the XYZ color 77.5966, 78.6260, 90.4434 looks on a white background.

Color Contrast Check

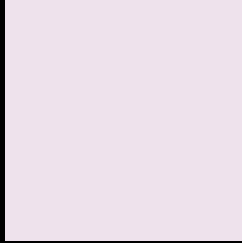
Large Text (above 18pt) WCAG AA × Fail

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 77.5966, 78.6260, 90.4434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

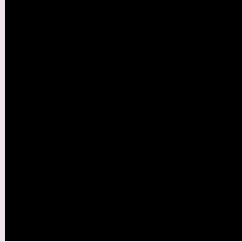
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

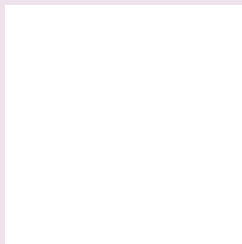
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5966, 78.6260, 90.4434

Background



This preview shows how black text looks on a background with the XYZ color 77.5966, 78.6260, 90.4434.



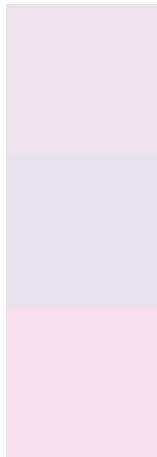
This preview shows how white text looks on a background with the XYZ color 77.5966, 78.6260,

90.4434.

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

77.5966, 78.6260, 90.4434

Protanopia

75.9845, 78.5902, 91.2854

Deuteranopia

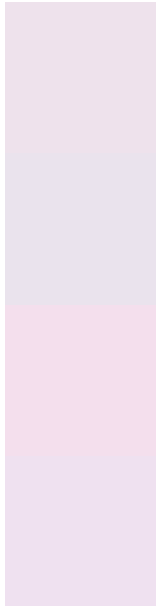
80.1187, 78.3134, 91.0141



Tritanopia

78.6995, 78.6722, 95.8314

Trichromacy



Original Color

77.5966, 78.6260, 90.4434

Protanomaly

76.6868, 78.5450, 91.2396

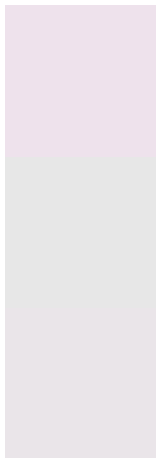
Deuteranomaly

78.9820, 78.1229, 91.0372

Tritanomaly

78.2500, 78.4924, 93.4644

Monochromacy



Original Color

77.5966, 78.6260, 90.4434

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.6590, 79.4142, 88.3789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5966, 78.6260, 90.4434 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(238, 226, 236) looks like.

```
.text, #text, p{  
    color:rgb(238, 226, 236)  
}
```

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(238, 226, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 226, 236) }
```

Border

The CSS property to change the border of an element to XYZ 77.5966, 78.6260, 90.4434 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(238, 226, 236) }
```


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

```
.border{ border-color:rgb(238, 226, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 226, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 226, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 226, 236);  
box-shadow:4px 4px 4px 4px rgb(238, 226,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5966, 78.6260, 90.4434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 226, 236) }
```

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

```
.background{ background-color: rgb(238,  
226, 236) }
```

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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