

Converting Colors

XYZ(77.4235, 77.2954, 90.6318)

Have a look what the booklet for XYZ(77.4235, 77.2954, 90.6318) contains.

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Color

**XYZ(77.6089, 77.4150,
90.9729)**

Conversions

Conversions Part 1

Format	Color
Hex	F0DFED
RGB	240, 223, 237
RGB Percent	94%, 87%, 93%
CMY	0.0588, 0.1255, 0.0706
CMYK	0.00, 0.07, 0.01, 0.06
HSL	311°, 36%, 91%
HSV	311°, 7%, 94%
XYZ	77.6089, 77.4150, 90.9729
YIQ	229.6790, 5.6380, 7.9580

Conversions

Conversions Part 2

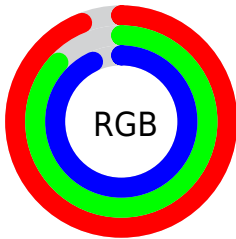
Format	Color
R _{YB}	240, 223, 237
Decimal	15785965
CIE Lab	90.51, 8.23, -4.73
CIE LCh	91, 9.492, 330.117
Yxy	77.4150, 0.3155, 0.3147
Android (android.graphics.Color)	4293976045 (0xFFFF0DFED)
YUV	229.6790, 3.6093, 9.0515
Hunter-Lab	87.9858, 3.4729, 0.2872

Details

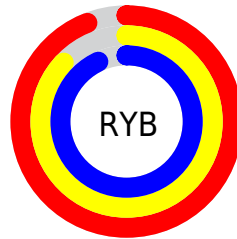
The XYZ color **77.6089, 77.4150, 90.9729** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.3219, 83.5012, 84.1030**, and the grayscale version is **74.9497, 78.8529, 85.8708**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1103, 41.5318, 49.5131** is the 20% darker color. If you saturate the color by 10%, you get **71.0348, 65.2446, 85.7645**, and if you desaturate by 10%, it is **85.1110, 91.4156, 96.5647**.

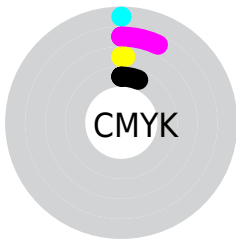
Distribution



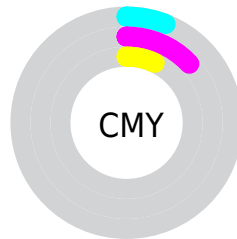
- Red (94%)
- Green (87%)
- Blue (93%)



- Red (94%)
- Yellow (87%)
- Blue (93%)



- Cyan (0%)
- Magenta (7%)
- Yellow (1%)
- Black (6%)





- Cyan (6%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.6089, 77.4150, 90.9729 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 77.6089, 77.4150, 90.9729 by changing the saturation by 10% instead.


 77.6089, 77.4150,
90.9729

 77.6089, 77.4150,
90.9729


475.6977,
486.1778, 551.8422

 58.0544, 57.5935,
68.2096


128.9669,
129.7251, 150.6364

 42.0958, 41.4820,
49.6005


161.5012,
162.9826, 188.3736

 29.3678, 28.6959,
34.7271


199.0928,
201.4875, 231.9392

 19.5049, 18.8509,
23.1709

242.1070,
245.6243, 281.7518

 12.1418, 11.5626,
14.5133

290.9093,
295.7773, 338.2298

 6.9132, 6.4466,
8.3357

345.8649,

 3.4537, 3.1185,

352.3310, 401.7919

4.2197

407.3393,
415.6697, 472.8565

■ 1.3980, 1.1939,
1.7466

■ 0.2548, 0.0567,
0.3924

■ 77.6089, 77.4150,
90.9729

■ 77.6089, 77.4150,
90.9729

■ 71.0348, 65.2446,
85.7645

■ 85.1110, 91.4156,
96.5647

■ 65.3438, 54.8184,
80.9212

■ 88.2497, 96.6671,
100.7737

■ 60.4973, 46.0581,
76.4305

■ 88.9057, 96.9295,
104.2283

■ 56.4514, 38.8758,
72.2774

■ 89.5766, 97.1979,
107.7614

■ 53.1578, 33.1755,
68.4452

■ 89.7457, 97.2655,
108.6518

■ 50.5631, 28.8506,
64.9157

■ 48.6070, 25.7803,
61.6681

■ 47.2184, 23.8228,
58.6783

■ 46.3059, 22.7952,
55.9153

Harmonies

Analogous

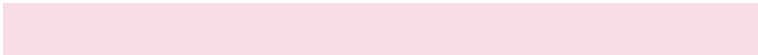
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8944, 77.4150, 96.1105



77.6089, 77.4150, 90.9729



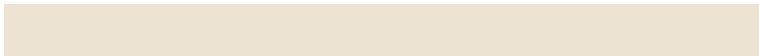
78.2393, 77.4150, 84.2652

Triad

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



77.6089, 77.4150, 90.9729



73.5713, 77.4150, 71.8856



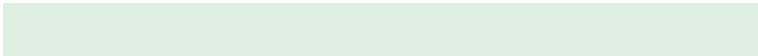
69.7032, 77.4150, 91.0214

Complementary

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



77.6089, 77.4150, 90.9729



75.3219, 83.5012, 84.1030

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.



69.1107, 77.4150, 84.3184



77.6089, 77.4150, 90.9729



71.3144, 77.4150, 73.4840

Square

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



77.6089, 77.4150, 90.9729



75.8779, 77.4150, 73.4597



69.6942, 77.4150, 77.9460



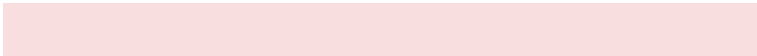
71.3302, 77.4150, 96.1395

Rectangle

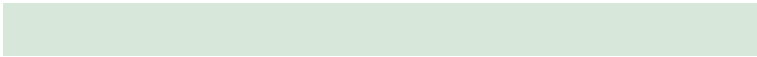
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6089, 77.4150, 90.9729



77.9496, 77.4150, 79.8760



69.6942, 77.4150, 77.9460



69.3780, 77.4150, 88.8674

Sweetspot

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



77.6111, 77.4183, 90.9746



93.2999, 96.7312, 107.6033



73.4309, 75.2123, 93.0865



19.9884, 20.7387, 23.0452



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.



77.6111, 77.4183, 90.9746



88.3095, 87.4381, 103.8198



76.4218, 76.9426, 84.7116



16.3275, 15.9807, 19.2810



25.2730, 12.3816, 30.4177



2.1335, 1.0425, 2.6940

Inverse Universe

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



77.6111, 77.4183, 90.9746



88.3095, 87.4381, 103.8198



76.4933, 83.9698, 90.2715



16.3275, 15.9807, 19.2810



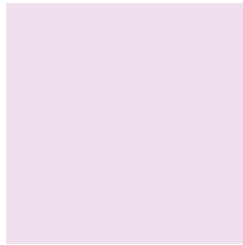
25.2730, 12.3816, 30.4177



2.1335, 1.0425, 2.6940

Previews

White Background



This preview shows how the XYZ color 77.6089, 77.4150, 90.9729 looks on a white background.

Color Contrast Check

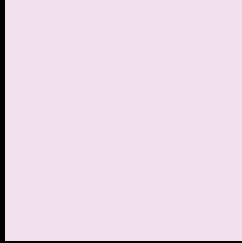
Large Text (above 18pt) WCAG AA × Fail

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 77.6089, 77.4150, 90.9729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

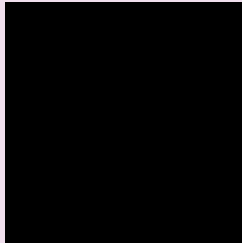
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

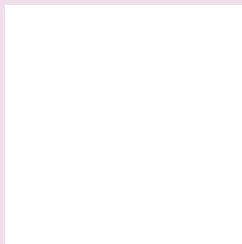
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6089, 77.4150, 90.9729

Background



This preview shows how black text looks on a background with the XYZ color 77.6089, 77.4150, 90.9729.



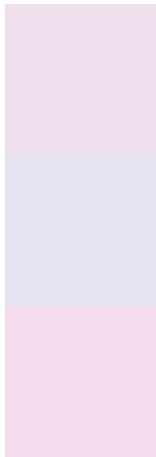
This preview shows how white text looks on a background with the XYZ color 77.6089, 77.4150,

90.9729.

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

77.6089, 77.4150, 90.9729

Protanopia

75.3622, 77.8282, 92.7117

Deuteranopia

79.1485, 77.4202, 90.8928



Tritanopia

78.0510, 77.5919, 93.3011

Trichromacy



Original Color

77.6089, 77.4150, 90.9729

Protanomaly

76.2332, 77.8894, 91.9052

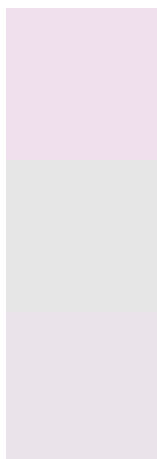
Deuteranomaly

78.7156, 77.5901, 90.9484

Tritanomaly

77.9028, 77.5326, 92.5207

Monochromacy



Original Color

77.6089, 77.4150, 90.9729

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

76.1088, 78.3138, 88.1955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6089, 77.4150, 90.9729 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(240, 223, 237) looks like.

```
.text, #text, p{  
    color:rgb(240, 223, 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(240, 223, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 223, 237) }
```

Border

The CSS property to change the border of an element to XYZ 77.6089, 77.4150, 90.9729 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(240, 223, 237) }
```


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

```
.border{ border-color:rgb(240, 223, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 223, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 223, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 223, 237);  
box-shadow:4px 4px 4px 4px rgb(240, 223,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6089, 77.4150, 90.9729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 223, 237) }
```

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

```
.background{ background-color: rgb(240,  
223, 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](#).

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