

Converting Colors

XYZ(77.7599, 82.3296, 85.2737)

Have a look what the booklet for
XYZ(77.7599, 82.3296, 85.2737)
contains.

XYZ(77.6874, 82.1092, 85.1529)	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(77.6874, 82.1092,
85.1529)**

Conversions

Conversions Part 1

Format	Color
Hex	EBEAE4
RGB	235, 234, 228
RGB Percent	92%, 92%, 89%
CMY	0.0784, 0.0823, 0.1059
CMYK	0.00, 0.00, 0.03, 0.08
HSL	51°, 15%, 91%
HSV	51°, 3%, 92%
XYZ	77.6874, 82.1092, 85.1529
YIQ	233.6150, 2.5220, -1.6540

Conversions

Conversions Part 2

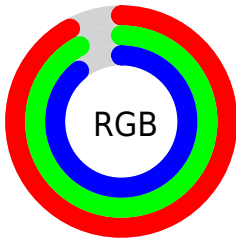
Format	Color
R _Y B	229, 235, 228
Decimal	15461092
CIE Lab	92.62, -0.71, 3.02
CIE LCh	93, 3.099, 103.263
Yxy	82.1092, 0.3172, 0.3352
Android (android.graphics.Color)	4293651172 (0xFFE8EAE4)
YUV	233.6150, -2.7682, 1.2146
Hunter-Lab	90.6141, -5.5390, 7.7132

Details

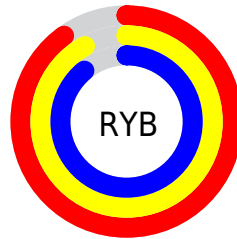
The XYZ color **77.6874, 82.1092, 85.1529** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **75.0098, 78.5299, 89.8028**, and the grayscale version is **77.9366, 81.9954, 89.2930**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0536, 44.4416, 45.8968** is the 20% darker color. If you saturate the color by 10%, you get **73.7021, 79.0086, 68.8083**, and if you desaturate by 10%, it is **82.1388, 85.4302, 103.8426**.

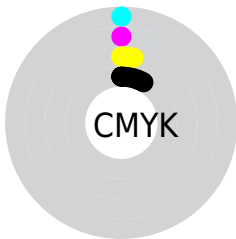
Distribution



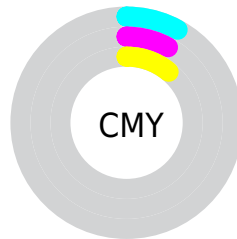
- Red (92%)
- Green (92%)
- Blue (89%)



- Red (90%)
- Yellow (92%)
- Blue (89%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6874, 82.1092, 85.1529 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 77.6874, 82.1092, 85.1529 by changing the saturation by 10% instead.

■ 77.6874, 82.1092,
85.1529

■ 77.6874, 82.1092,
85.1529

475.9606,
502.0129, 532.2917

■ 58.1191, 61.4556,
63.4168

129.0771,
136.3271, 142.4628

■ 42.1480, 44.5929,
45.7354

161.6291,
170.6602, 178.8738

■ 29.4088, 31.1369,
31.6899

199.2399,
210.3219, 221.0135

■ 19.5362, 20.7031,
20.8619

242.2746,
255.6965, 269.3004

■ 12.1646, 12.9072,
12.8328

291.0987,
307.1685, 324.1532

■ 6.9289, 7.3647,
7.1842

346.0775,

■ 3.4636, 3.6912,

365.1224, 385.9903

3.4973

407.5763,
429.9423, 455.2303

■ 1.4034, 1.5024,
1.3539

■ 0.2586, 0.2904,
0.1053

■ 77.6874, 82.1092,
85.1529

■ 77.6874, 82.1092,
85.1529

■ 73.7021, 79.0086,
68.8083

■ 82.1388, 85.4302,
103.8426

■ 70.1580, 76.1105,
54.7099

■ 83.6762, 87.6119,
107.1083

■ 67.0386, 73.4107,
42.7595

■ 84.6736, 89.6067,
107.4408

■ 64.3232, 70.9008,
32.8497

■ 85.6892, 91.6380,
107.7793

■ 61.9896, 68.5718,
24.8637

■ 86.7232, 93.7060,
108.1240

■ 60.0133, 66.4136,
18.6730

■ 87.7757, 95.8108,
108.4748

■ 58.3668, 64.4151,
14.1334

■ 88.0715, 96.4024,
108.5734

■ 57.0185, 62.5636,
11.0783

■ 55.9298, 60.8434,
9.3062

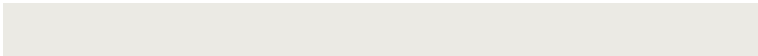
Harmonies

Analogous

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



78.4894, 82.1092, 85.2203



77.6874, 82.1092, 85.1529



76.9852, 82.1092, 86.2102

Triad

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



77.6874, 82.1092, 85.1529



76.9194, 82.1092, 92.4788



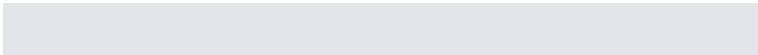
79.5356, 82.1092, 90.6870

Complementary

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



77.6874, 82.1092, 85.1529



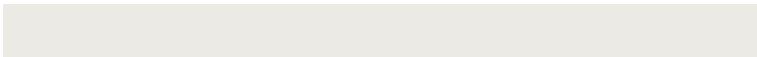
75.0098, 78.5299, 89.8028

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.



79.1091, 82.1092, 92.6736



77.6874, 82.1092, 85.1529



77.5970, 82.1092, 93.7202

Square

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



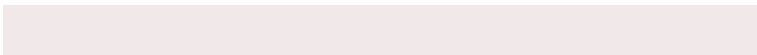
77.6874, 82.1092, 85.1529



76.5439, 82.1092, 90.4249



78.3983, 82.1092, 93.7921



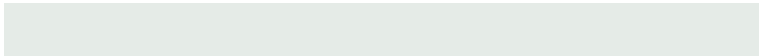
79.5602, 82.1092, 88.3888

Rectangle

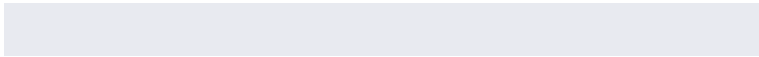
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6874, 82.1092, 85.1529



76.6667, 82.1092, 87.4213



78.3983, 82.1092, 93.7921



79.4343, 82.1092, 91.4144

Sweetspot

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



77.6897, 82.1127, 85.1547



94.5265, 99.6055, 106.7135



76.1554, 78.8102, 85.3647



20.2381, 21.3239, 22.8641



0.0000, 0.0000, 0.0000



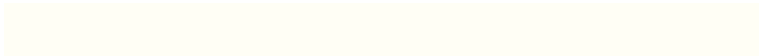
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6897, 82.1127, 85.1547



92.9896, 98.4377, 100.3255



77.1707, 82.2674, 85.2119



16.5689, 17.5584, 17.6806



30.8368, 33.3678, 4.8153



2.4715, 2.7204, 0.3948

Inverse Universe

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



75.0098, 78.5299, 89.8028



88.6688, 92.6612, 107.8198



75.5178, 78.3838, 89.7479



15.6629, 16.3471, 19.2520



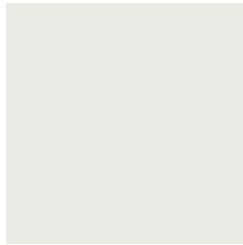
8.7098, 4.0666, 44.0688



0.7380, 0.4276, 3.4785

Previews

White Background



This preview shows how the XYZ color 77.6874, 82.1092, 85.1529 looks on a white background.

Color Contrast Check

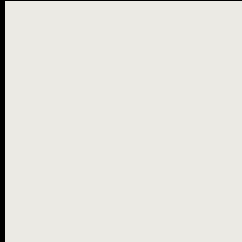
Large Text (above 18pt) WCAG AA × Fail

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 77.6874, 82.1092, 85.1529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

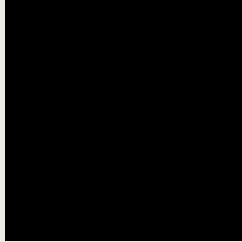
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

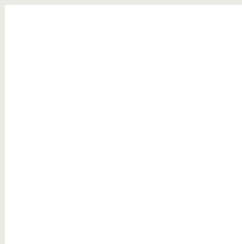
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6874, 82.1092, 85.1529

Background



This preview shows how black text looks on a background with the XYZ color 77.6874, 82.1092, 85.1529.



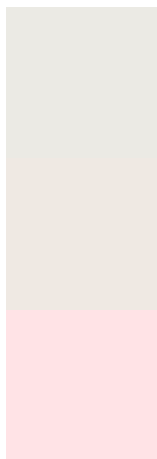
This preview shows how white text looks on a background with the XYZ color 77.6874, 82.1092,

85.1529.

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

77.6874, 82.1092, 85.1529

Protanopia

78.6006, 82.1746, 84.3916

Deuteranopia

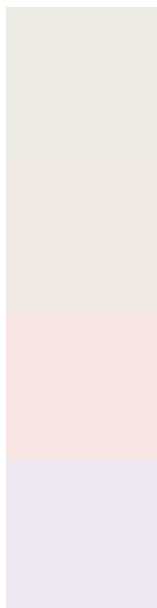
82.9920, 81.9113, 86.2992



Tritanopia

80.9347, 82.1685, 101.2169

Trichromacy



Original Color

77.6874, 82.1092, 85.1529

Protanomaly

78.2639, 82.0010, 84.3759

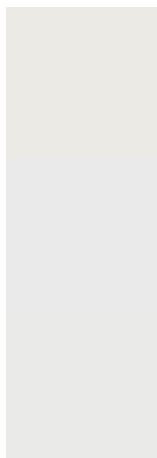
Deuteranomaly

81.1511, 82.2072, 85.7192

Tritanomaly

79.6588, 82.0686, 94.8614

Monochromacy



Original Color

77.6874, 82.1092, 85.1529

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.9200, 82.1643, 88.0964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6874, 82.1092, 85.1529 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(235, 234, 228) looks like.

```
.text, #text, p{  
    color:rgb(235, 234, 228)  
}
```

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(235, 234, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 234, 228) }
```

Border

The CSS property to change the border of an element to XYZ 77.6874, 82.1092, 85.1529 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(235, 234, 228) }
```


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

```
.border{ border-color:rgb(235, 234, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 234, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 234, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 234, 228); box-shadow:4px 4px 4px 4px rgb(235, 234, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6874, 82.1092, 85.1529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 234, 228) }
```

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

```
.background{ background-color: rgb(235,  
234, 228) }
```

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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