

Converting Colors

XYZ(78.6822, 84.5960, 72.0725)

Have a look what the booklet for
XYZ(78.6822, 84.5960, 72.0725)
contains.

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Color

**XYZ(78.5777, 84.5804,
71.8587)**

Conversions

Conversions Part 1

Format	Color
Hex	F2EED0
RGB	242, 238, 208
RGB Percent	95%, 93%, 82%
CMY	0.0510, 0.0666, 0.1843
CMYK	0.00, 0.02, 0.14, 0.05
HSL	53°, 57%, 88%
HSV	53°, 14%, 95%
XYZ	78.5777, 84.5804, 71.8587
YIQ	235.7760, 12.0140, -8.4820

Conversions

Conversions Part 2

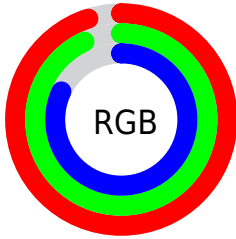
Format	Color
R_{YB}	213, 242, 208
Decimal	15920848
CIE _{Lab}	93.70, -3.58, 15.01
CIE _{LCh}	94, 15.434, 103.422
Y _{xy}	84.5804, 0.3343, 0.3599
Android (android.graphics.Color)	4294110928 (0xFFFF2EED0)
Y _{UV}	235.7760, -13.6936, 5.4584
Hunter-Lab	91.9676, -8.4318, 18.0512

Details

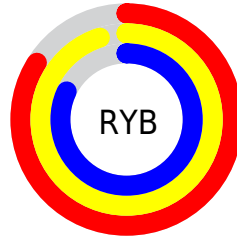
The XYZ color **78.5777, 84.5804, 71.8587** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.5829, 66.9065, 93.4629**, and the grayscale version is **79.6544, 83.8027, 91.2611**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8104, 46.2281, 37.2384** is the 20% darker color. If you saturate the color by 10%, you get **75.0041, 81.8395, 57.0820**, and if you desaturate by 10%, it is **82.6233, 87.5367, 89.0360**.

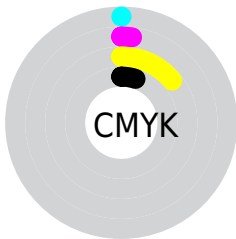
Distribution



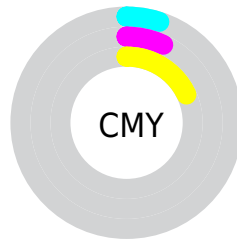
- Red (95%)
- Green (93%)
- Blue (82%)



- Red (84%)
- Yellow (95%)
- Blue (82%)



- Cyan (0%)
- Magenta (2%)
- Yellow (14%)
- Black (5%)



- Cyan (5%)
- Magenta (7%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5777, 84.5804, 71.8587 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 78.5777, 84.5804, 71.8587 by changing the saturation by 10% instead.

■ 78.5777, 84.5804,
71.8587

■ 78.5777, 84.5804,
71.8587

478.9364,
510.2386, 486.0139

■ 58.8531, 63.4947,
52.5571

130.3252,
139.7868, 123.5615

■ 42.7408, 46.2416,
37.0640

163.0789,
174.6763, 156.7997

■ 29.8754, 32.4365,
24.9609

200.9063,
214.9359, 195.5207

■ 19.8917, 21.6951,
15.8292

244.1727,
260.9499, 240.1428

■ 12.4241, 13.6330,
9.2503

293.2436,
313.1028, 291.0846

■ 7.1075, 7.8659,
4.8058

348.4843,

■ 3.5763, 4.0093,

371.7790, 348.7647

2.0770

410.2601,
437.3628, 413.6017

■ 1.4654, 1.6787,
0.6020

■ 0.3021, 0.4098,
0.0000

■ 78.5777, 84.5804,
71.8587

■ 78.5777, 84.5804,
71.8587

■ 75.0041, 81.8395,
57.0820

■ 82.6233, 87.5367,
89.0360

■ 71.8751, 79.2944,
44.5924

■ 86.9267, 90.6143,
107.5165

■ 69.1708, 76.9399,
34.2754

■ 87.7876, 92.3360,
107.8035

■ 66.8670, 74.7664,
26.0042

■ 88.6617, 94.0842,
108.0948

■ 64.9373, 72.7629,
19.6392

■ 89.5491, 95.8591,
108.3906

■ 63.3517, 70.9175,
15.0230

■ 90.4283, 97.6174,
108.6837

■ 62.0754, 69.2163,
11.9733

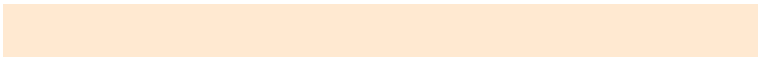
■ 61.0662, 67.6421,
10.2676

■ 60.5549, 66.7506,
9.6926

Harmonies

Analogous

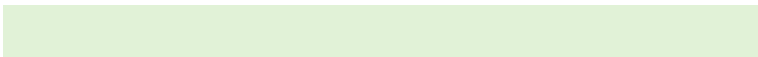
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6583, 84.5804, 72.1315



78.5777, 84.5804, 71.8587



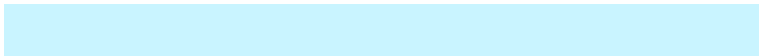
75.1006, 84.5804, 76.6700

Triad

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



78.5777, 84.5804, 71.8587



74.8079, 84.5804, 108.4759



88.1746, 84.5804, 98.6774

Complementary

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



78.5777, 84.5804, 71.8587



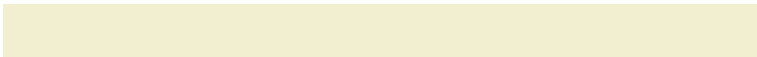
65.5829, 66.9065, 93.4629

Split Complementary

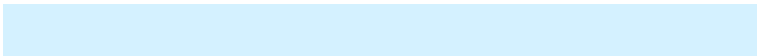
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9245, 84.5804, 109.4584



78.5777, 84.5804, 71.8587



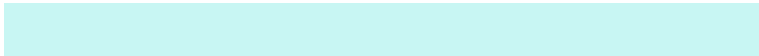
78.1658, 84.5804, 115.4358

Square

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



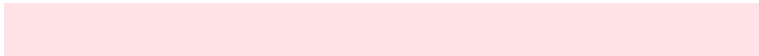
78.5777, 84.5804, 71.8587



72.9745, 84.5804, 97.4265



82.2323, 84.5804, 115.8099



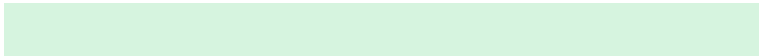
88.2940, 84.5804, 86.9591

Rectangle

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



78.5777, 84.5804, 71.8587



73.5544, 84.5804, 82.3702



82.2323, 84.5804, 115.8099



87.6389, 84.5804, 102.5537

Sweetspot

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



78.5800, 84.5841, 71.8605



93.0697, 98.5980, 100.3522



71.1259, 68.7706, 72.1672



19.8432, 21.0485, 21.1463



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.



78.5800, 84.5841, 71.8605



87.2360, 94.3087, 75.6617



75.6218, 84.8051, 72.0591



16.9551, 18.1233, 16.7542



32.5964, 35.9909, 5.2289



2.7562, 3.0830, 0.4498

Inverse Universe

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



65.5829, 66.9065, 93.4629



69.8475, 70.6588, 104.5649



68.2406, 66.8124, 93.3046



15.0468, 15.5278, 19.9257



8.8887, 4.0016, 45.4318



0.7878, 0.4296, 3.7956

Previews

White Background



This preview shows how the XYZ color 78.5777, 84.5804, 71.8587 looks on a white background.

Color Contrast Check

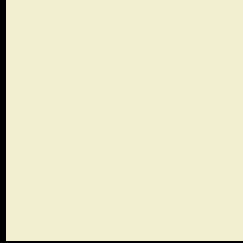
Large Text (above 18pt) WCAG AA × Fail

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 78.5777, 84.5804, 71.8587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

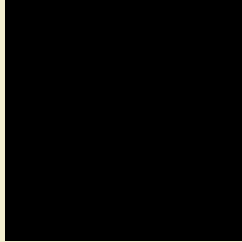
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.5777, 84.5804, 71.8587

Background



This preview shows how black text looks on a background with the XYZ color 78.5777, 84.5804, 71.8587.



This preview shows how white text looks on a background with the XYZ color 78.5777, 84.5804,

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

78.5777, 84.5804, 71.8587

Protanopia

79.9693, 84.4524, 71.1176

Deuteranopia

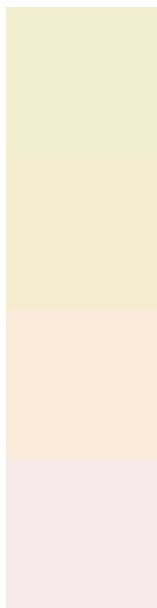
83.4159, 84.3009, 81.6873



Tritanopia

84.8233, 84.5718, 102.2958

Trichromacy



Original Color

78.5777, 84.5804, 71.8587

Protanomaly

79.5527, 84.6662, 71.1808

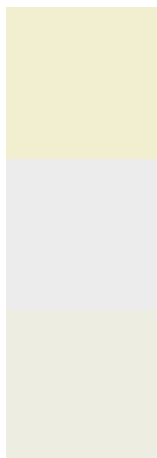
Deuteranomaly

81.5020, 84.2316, 78.2924

Tritanomaly

82.4243, 84.4366, 90.5509

Monochromacy



Original Color

78.5777, 84.5804, 71.8587

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.2715, 84.2365, 84.0327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5777, 84.5804, 71.8587 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(242, 238, 208)` looks like.

```
.text, #text, p{  
    color:rgb(242, 238, 208)  
}
```

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(242, 238, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 238, 208) }
```

Border

The CSS property to change the border of an element to XYZ 78.5777, 84.5804, 71.8587 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(242, 238, 208) }
```


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

```
.border{ border-color:rgb(242, 238, 208) }
```

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

Here you see how a box with a 4 pixel rgb(242, 238, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 238, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 238, 208);  
box-shadow:4px 4px 4px 4px rgb(242, 238,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5777, 84.5804, 71.8587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 238, 208) }
```

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

```
.background{ background-color: rgb(242,  
238, 208) }
```

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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