

Converting Colors

XYZ(74.8797, 85.3960, 28.1604)

Have a look what the booklet for
XYZ(74.8797, 85.3960, 28.1604)
contains.

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Color

**XYZ(74.8777, 85.3920,
28.1586)**

Conversions

Conversions Part 1

Format	Color
Hex	FCF271
RGB	252, 242, 113
RGB Percent	99%, 95%, 44%
CMY	0.0118, 0.0510, 0.5568
CMYK	0.00, 0.04, 0.55, 0.01
HSL	56°, 96%, 72%
HSV	56°, 55%, 99%
XYZ	74.8777, 85.3920, 28.1586
YIQ	230.2840, 47.3690, -37.9990

Conversions

Conversions Part 2

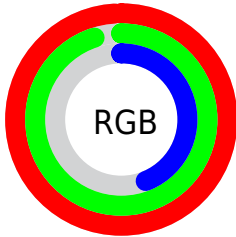
Format	Color
RYB	124, 252, 113
Decimal	16577137
CIELab	94.05, -12.57, 62.32
CIELCh	94, 63.578, 101.407
Yxy	85.3920, 0.3974, 0.4532
Android (android.graphics.Color)	4294767217 (0xFFFCF271)
YUV	230.2840, -57.8210, 19.0449
Hunter-Lab	92.4078, -17.0757, 46.6185

Details

The XYZ color **74.8777, 85.3920, 28.1586** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **31.4637, 24.7043, 95.2052**, and the grayscale version is **75.8166, 79.7650, 86.8640**.

A 20% lighter version of the original color is **84.0679, 95.6072, 51.0690**, and **40.3149, 46.7608, 10.9039** is the 20% darker color. If you saturate the color by 10%, you get **73.1156, 83.8318, 21.5175**, and if you desaturate by 10%, it is **77.0430, 87.1284, 36.8790**.

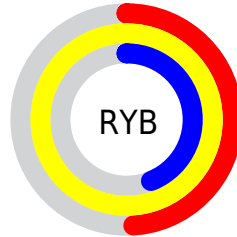
Distribution



Red (99%)

Green (95%)

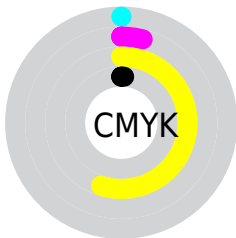
Blue (44%)



Red (49%)

Yellow (99%)

Blue (44%)

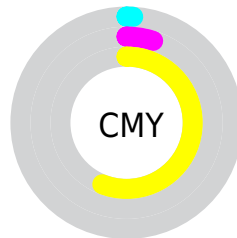


Cyan (0%)

Magenta (4%)

Yellow (55%)

Black (1%)



Cyan (1%)

Magenta (5%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.8777, 85.3920, 28.1586 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 74.8777, 85.3920, 28.1586 by changing the saturation by 10% instead.


 74.8777, 85.3920,
28.1586

 74.8777, 85.3920,
28.1586


466.5008,
512.9243, 307.1597


 55.8065, 64.1653,
18.2052


 125.1281,
140.9207, 57.7637

 40.2842, 46.7846,
10.9264


 157.0380,
175.9916, 78.2524

 27.9454, 32.8654,
5.9038

 193.9581,
216.4459, 103.0900

 18.4248, 22.0234,
2.7188

236.2540,
262.6682, 132.6950

 11.3569, 13.8741,
0.9529

284.2908,
315.0428, 167.4860

 6.3765, 8.0331,
0.0000

338.4339,

 3.1182, 4.1162,

373.9541, 207.8814

0.0000

399.0488,
439.7864, 254.2998

■ 1.2165, 1.7387,
0.0000

■ 0.1194, 0.4486,
0.0000

■ 74.8777, 85.3920,
28.1586

■ 74.8777, 85.3920,
28.1586

■ 73.1156, 83.8318,
21.5175

■ 77.0430, 87.1284,
36.8790

■ 71.7172, 82.4223,
16.7740


■ 79.6352, 89.0410,
47.8296


■ 70.6453, 81.1521,
13.7242

■ 82.6831, 91.1444,
61.1536


■ 69.8520, 80.0016,
12.1147


■ 86.2114, 93.4486,
76.9804

 69.5341, 79.4741,
11.6752

 90.2428, 95.9627,
95.4304

 93.2812, 98.0883,
108.6242

 93.8555, 99.2369,
108.8157

 93.9548, 99.4354,
108.8487

Harmonies

Analogous

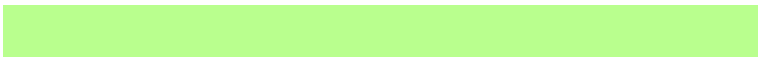
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.0186, 85.3920, 29.5481



74.8777, 85.3920, 28.1586



61.4350, 85.3920, 39.0194

Triad

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



74.8777, 85.3920, 28.1586



59.0641, 85.3920, 169.5051



116.1890, 85.3920, 126.0736

Complementary

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



74.8777, 85.3920, 28.1586



31.4637, 24.7043, 95.2052

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.



104.7169, 85.3920, 182.1686



74.8777, 85.3920, 28.1586



71.1958, 85.3920, 212.6719

Square

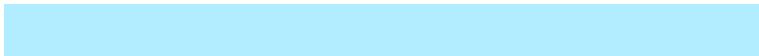
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.8777, 85.3920, 28.1586



53.1918, 85.3920, 112.7144



87.7896, 85.3920, 217.9784



117.5388, 85.3920, 75.6903

Rectangle

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



74.8777, 85.3920, 28.1586



55.7482, 85.3920, 55.0377



87.7896, 85.3920, 217.9784



113.3211, 85.3920, 145.2624

Sweetspot

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



74.8797, 85.3960, 28.1604



87.8533, 95.5434, 75.8675



49.7256, 33.9766, 23.2012



18.6436, 20.3464, 15.5150



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

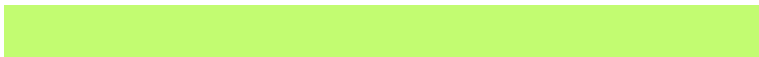
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8797, 85.3960, 28.1604



74.9688, 85.9847, 21.5981



60.0610, 82.2935, 28.3425



18.6143, 19.9645, 18.3348



36.2679, 41.4925, 6.0973



3.3901, 3.9050, 0.5751

Inverse Universe

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



31.4637, 24.7043, 95.2052



26.3954, 18.1176, 96.7136



40.2530, 27.4881, 95.2793



16.3832, 16.8433, 21.7729



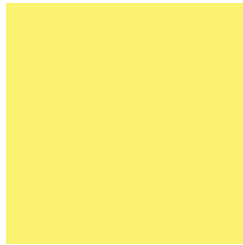
9.3040, 3.9636, 48.2482



0.8955, 0.4346, 4.4799

Previews

White Background



This preview shows how the XYZ color 74.8777, 85.3920, 28.1586 looks on a white background.

Color Contrast Check

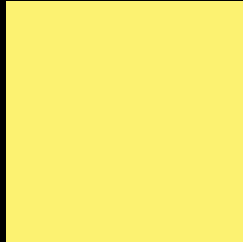
Large Text (above 18pt) WCAG AA × Fail

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 74.8777, 85.3920, 28.1586 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 74.8777, 85.3920, 28.1586

Background



This preview shows how black text looks on a background with the XYZ color 74.8777, 85.3920, 28.1586.

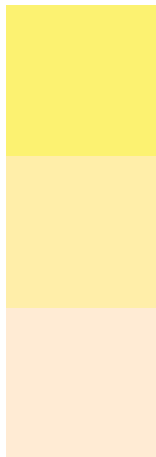


This preview shows how white text looks on a background with the XYZ color 74.8777, 85.3920,

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

74.8777, 85.3920, 28.1586

Protanopia

78.9760, 85.2736, 49.8331

Deuteranopia

82.8320, 85.4301, 74.4113



Tritanopia

86.2743, 85.4443, 96.7393

Trichromacy



Original Color

74.8777, 85.3920, 28.1586



Protanomaly

77.1644, 84.9738, 40.7683



Deuteranomaly

79.2841, 85.3545, 53.3706



Tritanomaly

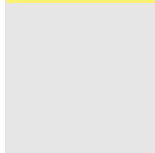
80.8323, 85.0473, 64.3800

Monochromacy



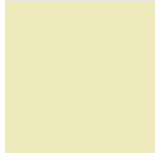
Original Color

74.8777, 85.3920, 28.1586



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

73.6524, 80.6106, 58.6912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8777, 85.3920, 28.1586 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(252, 242, 113)` looks like.

```
.text, #text, p{  
    color:rgb(252, 242, 113)  
}
```

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(252, 242, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 242, 113) }
```

Border

The CSS property to change the border of an element to XYZ 74.8777, 85.3920, 28.1586 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(252, 242, 113) }
```


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

```
.border{ border-color:rgb(252, 242, 113) }
```

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

Here you see how a box with a 4 pixel rgb(252, 242, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 242, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 242, 113);  
box-shadow:4px 4px 4px 4px rgb(252, 242,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8777, 85.3920, 28.1586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 242, 113) }
```

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

```
.background{ background-color: rgb(252,  
242, 113) }
```

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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