

Converting Colors

XYZ(73.4149, 80.3778, 28.7870)

Have a look what the booklet for
XYZ(73.4149, 80.3778, 28.7870)
contains.

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Color

**XYZ(73.3666, 80.2812,
28.7685)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE876
RGB	255, 232, 118
RGB Percent	100%, 91%, 46%
CMY	0.0000, 0.0902, 0.5372
CMYK	0.00, 0.09, 0.54, 0.00
HSL	50°, 100%, 73%
HSV	50°, 54%, 100%
XYZ	73.3666, 80.2812, 28.7685
YIQ	225.8810, 50.3020, -30.5780

Conversions

Conversions Part 2

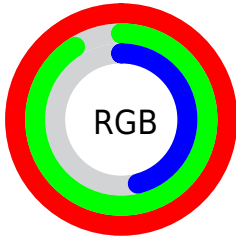
Format	Color
R_{YB}	146, 255, 118
Decimal	16771190
CIE _{Lab}	91.81, -6.04, 57.54
CIE _{LCh}	92, 57.861, 95.995
Yxy	80.2812, 0.4022, 0.4401
Android (android.graphics.Color)	4294961270 (0xFFFFE876)
YUV	225.8810, -53.1853, 25.5374
Hunter-Lab	89.5998, -10.6392, 43.6831

Details

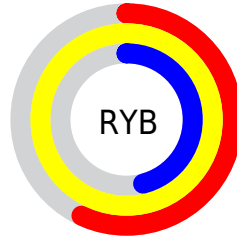
The XYZ color **73.3666, 80.2812, 28.7685** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.0458, 30.1203, 98.5740**, and the grayscale version is **72.5513, 76.3296, 83.1230**.

A 20% lighter version of the original color is **84.5428, 95.7971, 53.5700**, and **39.4412, 43.5617, 11.3305** is the 20% darker color. If you saturate the color by 10%, you get **70.8620, 77.3781, 21.4416**, and if you desaturate by 10%, it is **76.3140, 83.4144, 38.2653**.

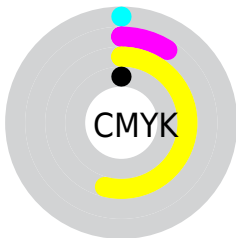
Distribution



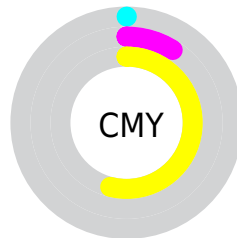
- Red (100%)
- Green (91%)
- Blue (46%)



- Red (57%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (9%)
- Yellow (54%)
- Black (0%)




- Cyan (0%)
- Magenta (9%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.3666, 80.2812, 28.7685 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 73.3666, 80.2812, 28.7685 by changing the saturation by 10% instead.


 73.3666, 80.2812,
28.7685

 73.3666, 80.2812,
28.7685


461.3685,
495.8800, 310.1478


 54.5652, 59.9498,
18.6617


 122.9978,
133.7610, 58.7469

 39.2862, 43.3782,
11.2518


 154.5584,
167.6782, 79.4555

 27.1642, 30.1819,
6.1201


 191.1028,
206.8928, 104.5352

 17.8338, 19.9767,
2.8483

232.9962,
251.7891, 134.4044

 10.9297, 12.3781,
1.0177

280.6042,
302.7516, 169.4817

 6.0865, 7.0017,
0.0000

334.2920,

 2.9389, 3.4632,

360.1646, 210.1857

0.0000

394.4250,
424.4126, 256.9349

■ 1.1215, 1.3781,
0.0000

■ 0.0430, 0.2005,
0.0000

■ 73.3666, 80.2812,
28.7685

■ 73.3666, 80.2812,
28.7685

■ 70.8620, 77.3781,
21.4416

■ 76.3140, 83.4144,
38.2653

■ 68.7603, 74.6798,
16.1013

■ 79.7286, 86.7787,
50.0854

■ 67.0241, 72.1739,
12.5426

■ 83.6399, 90.3893,
64.3742

■ 65.6052, 69.8409,
10.5132

■ 88.0731, 94.2566,
81.2636

■ 64.8337, 68.4477,
9.7946

■ 93.0516, 98.3902,
100.8761

95.0498, 99.9999,
108.9000

Harmonies

Analogous

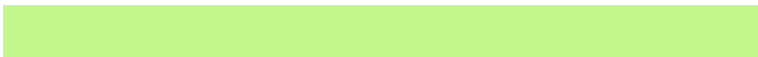
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4975, 80.2812, 32.0377



73.3666, 80.2812, 28.7685



60.7494, 80.2812, 36.6053

Triad

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



73.3666, 80.2812, 28.7685



55.4893, 80.2812, 144.6992



105.4162, 80.2812, 125.0038

Complementary

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



73.3666, 80.2812, 28.7685



35.0458, 30.1203, 98.5740

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.



94.3120, 80.2812, 171.4859



73.3666, 80.2812, 28.7685



65.2869, 80.2812, 185.1961

Square

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



73.3666, 80.2812, 28.7685



51.3234, 80.2812, 96.2181



79.3206, 80.2812, 196.3217



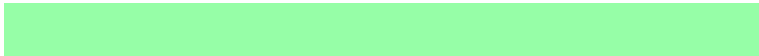
108.3068, 80.2812, 79.1614

Rectangle

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



73.3666, 80.2812, 28.7685



55.0315, 80.2812, 49.2463



79.3206, 80.2812, 196.3217



102.4561, 80.2812, 141.4741

Sweetspot

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



73.3685, 80.2850, 28.7701



87.0174, 93.3538, 77.1851



52.6856, 36.2043, 30.2452



18.4260, 19.8092, 15.7569



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

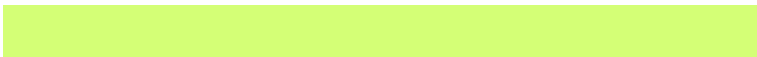
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.3685, 80.2850, 28.7701



70.7991, 77.3013, 21.2686



66.0712, 86.7680, 30.4061



19.2865, 20.5411, 19.0927



33.9730, 35.9572, 5.1499



3.3735, 3.6324, 0.5233

Inverse Universe

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



35.0458, 30.1203, 98.5740



29.0632, 22.7241, 97.4621



39.3044, 27.7947, 97.9007



17.2493, 17.8702, 22.7901



9.9507, 4.8109, 49.8387



1.0346, 0.5998, 4.8745

Previews

White Background



This preview shows how the XYZ color 73.3666, 80.2812, 28.7685 looks on a white background.

Color Contrast Check

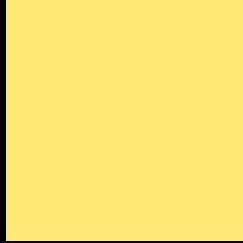
Large Text (above 18pt) WCAG AA × Fail

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 73.3666, 80.2812, 28.7685 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 73.3666, 80.2812, 28.7685

Background



This preview shows how black text looks on a background with the XYZ color 73.3666, 80.2812, 28.7685.



This preview shows how white text looks on a background with the XYZ color 73.3666, 80.2812,

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

73.3666, 80.2812, 28.7685

Protanopia

73.6718, 80.4033, 30.3754

Deuteranopia

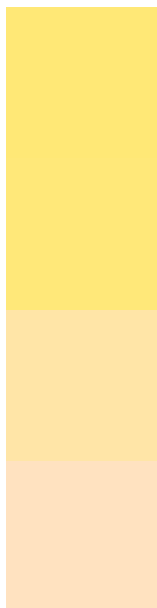
78.5594, 80.1383, 62.9575



Tritanopia

82.4790, 79.9759, 88.9317

Trichromacy



Original Color

73.3666, 80.2812, 28.7685

Protanomaly

73.5478, 80.3537, 29.7226

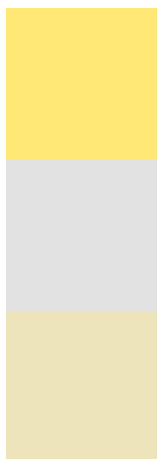
Deuteranomaly

76.2344, 80.0886, 47.9999

Tritanomaly

77.9508, 79.4585, 61.0977

Monochromacy



Original Color

73.3666, 80.2812, 28.7685

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.6381, 77.0792, 58.1157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.3666, 80.2812, 28.7685 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(255, 232, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 118)  
}
```

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(255, 232, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 118) }
```

Border

The CSS property to change the border of an element to XYZ 73.3666, 80.2812, 28.7685 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(255, 232, 118) }
```


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

```
.border{ border-color:rgb(255, 232, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 73.3666, 80.2812, 28.7685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 118) }
```

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

```
.background{ background-color: rgb(255,  
232, 118) }
```

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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