

Converting Colors

XYZ(119.4094, 104.3841,
30.6215)

Have a look what the booklet for
XYZ(119.4094, 104.3841, 30.6215)
contains.

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Color

**XYZ(73.5898, 80.8222,
28.5513)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE975
RGB	255, 233, 117
RGB Percent	100%, 91%, 46%
CMY	0.0000, 0.0862, 0.5412
CMYK	0.00, 0.09, 0.54, 0.00
HSL	50°, 100%, 73%
HSV	50°, 54%, 100%
XYZ	73.5898, 80.8222, 28.5513
YIQ	226.3540, 50.3480, -31.4120

Conversions

Conversions Part 2

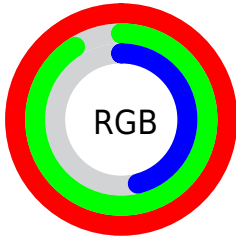
Format	Color
R_{YB}	143, 255, 117
Decimal	16771445
CIE _{Lab}	92.05, -6.62, 58.29
CIE _{LCh}	92, 58.660, 96.480
Yxy	80.8222, 0.4022, 0.4417
Android (android.graphics.Color)	4294961525 (0xFFFFE975)
YUV	226.3540, -53.9115, 25.1225
Hunter-Lab	89.9012, -11.2135, 44.1012

Details

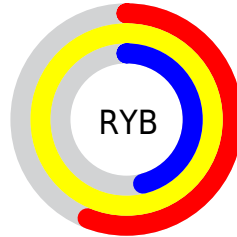
The XYZ color **73.5898, 80.8222, 28.5513** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.6185, 29.4662, 98.4703**, and the grayscale version is **72.8996, 76.6960, 83.5219**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **39.5825, 43.9354, 11.0968** is the 20% darker color. If you saturate the color by 10%, you get **71.1534, 78.0309, 21.3231**, and if you desaturate by 10%, it is **76.4649, 83.8374, 37.9419**.

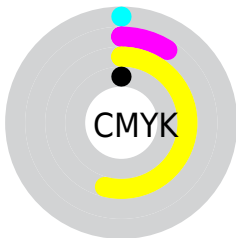
Distribution



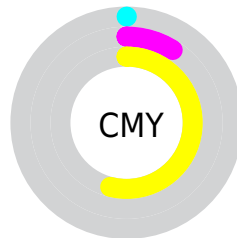
- Red (100%)
- Green (91%)
- Blue (46%)



- Red (56%)
- 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 73.5898, 80.8222, 28.5513 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 73.5898, 80.8222, 28.5513 by changing the saturation by 10% instead.


 73.5898, 80.8222,
28.5513

 73.5898, 80.8222,
28.5513


462.1286,
497.6994, 309.0863


 54.7485, 60.3952,
18.4990


 123.3128,
134.5211, 58.3971

 39.4334, 43.7372,
11.1357


 154.9251,
168.5617, 79.0276

 27.2793, 30.4640,
6.0429


 191.5252,
207.9091, 104.0214

 17.9208, 20.1910,
2.8019

233.4783,
252.9474, 133.7968

 10.9925, 12.5340,
0.9944

281.1499,
304.0613, 168.7725

 6.1290, 7.1084,
0.0000

334.9052,

 2.9651, 3.5300,

361.6349, 209.3669

0.0000

395.1097,
426.0528, 255.9987

■ 1.1353, 1.4143,
0.0000

■ 0.0544, 0.2272,
0.0000

■ 73.5898, 80.8222,
28.5513

■ 73.5898, 80.8222,
28.5513

■ 71.1534, 78.0309,
21.3231

■ 76.4649, 83.8374,
37.9419

■ 69.1157, 75.4382,
16.0730


■ 79.8032, 87.0776,
49.6490


■ 67.4390, 73.0317,
12.5948

■ 83.6343, 90.5578,
63.8183

■ 66.0747, 70.7918,
10.6337

■ 87.9833, 94.2884,
80.5823

 65.3775, 69.5353,
9.9759

 92.8740, 98.2792,
100.0638

95.0498, 99.9999,
108.9000

Harmonies

Analogous

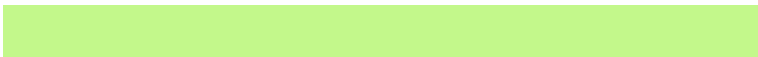
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9945, 80.8222, 31.6685



73.5898, 80.8222, 28.5513



60.8221, 80.8222, 36.6557

Triad

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



73.5898, 80.8222, 28.5513



55.7641, 80.8222, 147.2537



106.6252, 80.8222, 125.5188

Complementary

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



73.5898, 80.8222, 28.5513



34.6185, 29.4662, 98.4703

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.



95.4005, 80.8222, 173.1925



73.5898, 80.8222, 28.5513



65.8081, 80.8222, 188.3468

Square

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



73.5898, 80.8222, 28.5513



51.4374, 80.8222, 97.7200



80.1415, 80.8222, 199.1344



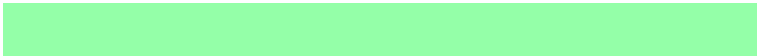
109.4192, 80.8222, 78.9499

Rectangle

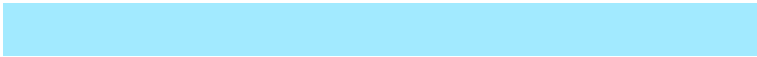
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.5898, 80.8222, 28.5513



55.0725, 80.8222, 49.6154



80.1415, 80.8222, 199.1344



103.6474, 80.8222, 142.3522

Sweetspot

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



73.5917, 80.8260, 28.5529



87.1238, 93.5665, 77.2205



52.3353, 35.8768, 28.9785



18.4516, 19.8604, 15.7654



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.



73.5917, 80.8260, 28.5529



70.9580, 77.7942, 20.7822



65.2656, 86.3595, 30.0599



19.3002, 20.5686, 19.0972



34.2535, 36.5183, 5.2434



3.3983, 3.6820, 0.5316

Inverse Universe

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



34.6185, 29.4662, 98.4703



28.4008, 21.7701, 97.3129



39.5163, 27.7301, 97.8770



17.2368, 17.8451, 22.7859



9.9080, 4.7256, 49.8245



1.0286, 0.5879, 4.8725

Previews

White Background



This preview shows how the XYZ color 73.5898, 80.8222, 28.5513 looks on a white background.

Color Contrast Check

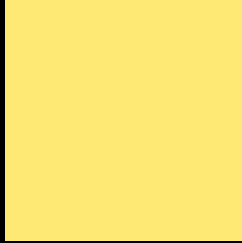
Large Text (above 18pt) WCAG AA × Fail

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 73.5898, 80.8222, 28.5513 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 73.5898, 80.8222, 28.5513

Background



This preview shows how black text looks on a background with the XYZ color 73.5898, 80.8222, 28.5513.



This preview shows how white text looks on a background with the XYZ color 73.5898, 80.8222,

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

73.5898, 80.8222, 28.5513

Protanopia

74.0591, 80.5582, 32.4148

Deuteranopia

79.0614, 80.7780, 64.2481



Tritanopia

82.8911, 80.5695, 89.7799

Trichromacy



Original Color

73.5898, 80.8222, 28.5513

Protanomaly

73.7983, 80.4539, 31.0416



Deuteranomaly

76.6047, 80.6808, 48.5812



Tritanomaly

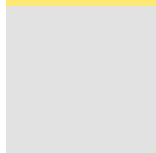
78.2235, 80.0039, 61.1887

Monochromacy



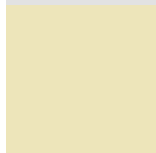
Original Color

73.5898, 80.8222, 28.5513



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

71.8073, 77.5883, 57.6458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.5898, 80.8222, 28.5513 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, 233, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 117)  
}
```

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, 233, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 117) }
```

Border

The CSS property to change the border of an element to XYZ 73.5898, 80.8222, 28.5513 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, 233, 117) }
```


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

```
.border{ border-color:rgb(255, 233, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 73.5898, 80.8222, 28.5513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 117) }
```

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

```
.background{ background-color: rgb(255,  
233, 117) }
```

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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