

Converting Colors

XYZ(80.2528, 94.0811, 30.9790)

Have a look what the booklet for
XYZ(80.2528, 94.0811, 30.9790)
contains.

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Color

**XYZ(80.2700, 94.0880,
31.0697)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFFF76 |
| RGB | 255, 255, 118 |
| RGB Percent | 100%, 100%, 46% |
| CMY | 0.0000, 0.0000, 0.5372 |
| CMYK | 0.00, 0.00, 0.54, 0.00 |
| HSL | 60°, 100%, 73% |
| HSV | 60°, 54%, 100% |
| XYZ | 80.2700, 94.0880, 31.0697 |
| YIQ | 239.3820, 43.9770, -42.6070 |

Conversions

Conversions Part 2

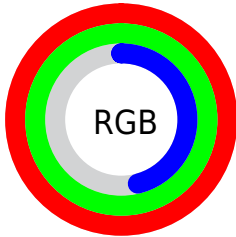
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 118, 255, 118 |
| Decimal | 16777078 |
| CIE _{Lab} | 97.67, -17.33, 64.31 |
| CIE _{LCh} | 98, 66.602, 105.082 |
| Yxy | 94.0880, 0.3907, 0.4580 |
| Android (android.graphics.Color) | 4294967158 (0xFFFFFFFF76) |
| YUV | 239.3820, -59.8413, 13.6970 |
| Hunter-Lab | 96.9990, -22.0333, 48.9081 |

Details

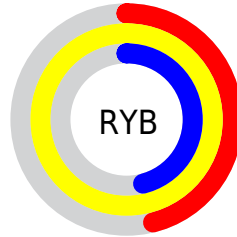
The XYZ color **80.2700, 94.0880, 31.0697** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **32.0007, 24.0297, 97.5593**, and the grayscale version is **82.7689, 87.0793, 94.8294**.

A 20% lighter version of the original color is **84.6400, 95.8360, 54.0816**, and **43.8562, 52.4828, 12.5214** is the 20% darker color. If you saturate the color by 10%, you get **78.9537, 93.5614, 24.1390**, and if you desaturate by 10%, it is **81.9961, 94.7784, 40.1597**.

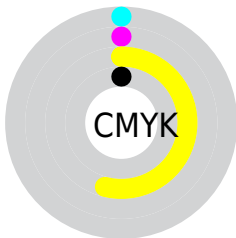
Distribution



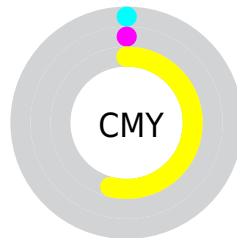
- Red (100%)
- Green (100%)
- Blue (46%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.2700, 94.0880, 31.0697 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 80.2700, 94.0880, 31.0697 by changing the saturation by 10% instead.


 80.2700, 94.0880,
31.0697

 80.2700, 94.0880,
31.0697


484.5650,
541.2412, 321.2204


 60.2498, 71.3762,
20.3930


 132.6938,
153.0040, 62.4307

 43.8702, 52.6492,
12.4941


 165.8281,
189.9770, 83.9520

 30.7660, 37.5228,
6.9545

 204.0645,
232.4725, 109.9253

 20.5717, 25.6125,
3.3557

247.7683,
280.8749, 140.7692

 12.9219, 16.5340,
1.2790

297.3049,
335.5685, 176.9021

 7.4514, 9.9028,
0.0445

353.0396,

 3.7948, 5.3346,

396.9379, 218.7425

0.0000

415.3379,
465.3673, 266.7091

■ 1.5867, 2.4449,
0.0000

■ 0.3837, 0.8488,
0.0000

■ 80.2700, 94.0880,
31.0697

■ 80.2700, 94.0880,
31.0697

■ 78.9537, 93.5614,
24.1390

■ 81.9961, 94.7784,
40.1597

■ 78.0130, 93.1852,
19.1856


■ 84.1617, 95.6447,
51.5636


■ 77.4088, 92.9435,
16.0042

■ 86.7942, 96.6977,
65.4262

■ 77.0932, 92.8173,
14.3426

■ 89.9188, 97.9475,
81.8795

 76.9996, 92.7798,
13.8500

 93.5585, 99.4034,
101.0459

95.0500, 100.0000,
108.9000

Harmonies

Analogous

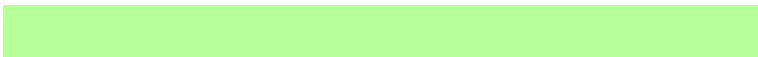
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



99.1488, 94.0880, 31.0347



80.2700, 94.0880, 31.0697



66.0091, 94.0880, 44.9782

Triad

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



80.2700, 94.0880, 31.0697



66.0694, 94.0880, 195.6327



129.5001, 94.0880, 131.7550

Complementary

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



80.2700, 94.0880, 31.0697



32.0007, 24.0297, 97.5593

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.



117.8184, 94.0880, 195.3071



80.2700, 94.0880, 31.0697



80.3640, 94.0880, 240.1430

Square

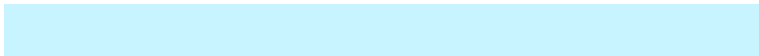
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2700, 94.0880, 31.0697



58.6341, 94.0880, 132.0972



99.2570, 94.0880, 240.0063



129.4654, 94.0880, 77.6010

Rectangle

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



80.2700, 94.0880, 31.0697



60.2630, 94.0880, 64.4406



99.2570, 94.0880, 240.0063



126.7478, 94.0880, 153.0526

Sweetspot

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



80.2701, 94.0880, 31.0709



89.1631, 97.6452, 77.9003



50.9892, 35.5259, 21.3106



18.9432, 20.8435, 15.9292



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

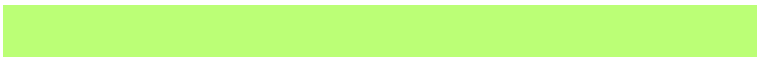
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2701, 94.0880, 31.0709



78.9228, 93.5491, 23.9765



59.4021, 83.3302, 30.0943



19.5613, 21.0908, 19.1843



40.2340, 48.4795, 7.2369



3.9174, 4.7203, 0.7046

Inverse Universe

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



32.0007, 24.0297, 97.5593



26.2536, 17.1047, 96.5256



44.9008, 30.6799, 98.1630



17.0031, 17.3778, 22.7080



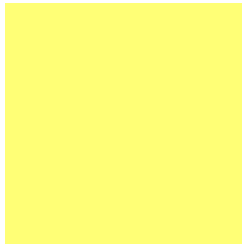
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 80.2700, 94.0880, 31.0697 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 80.2700, 94.0880, 31.0697 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 80.2700, 94.0880, 31.0697

Background



This preview shows how black text looks on a background with the XYZ color 80.2700, 94.0880, 31.0697.



This preview shows how white text looks on a background with the XYZ color 80.2700, 94.0880,

Color Blindness Simulation

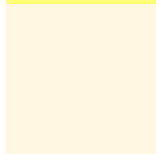
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



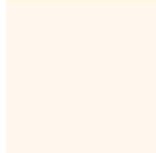
Original Color

80.2700, 94.0880, 31.0697



Protanopia

88.2619, 93.7766, 83.9698



Deuteranopia

89.9334, 93.9546, 94.2840



Tritanopia

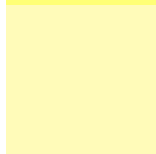
91.7665, 94.1998, 105.4412

Trichromacy



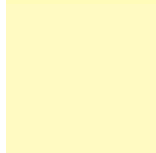
Original Color

80.2700, 94.0880, 31.0697



Protanomaly

84.4941, 93.7571, 59.5426



Deuteranomaly

85.1632, 93.5263, 64.6027



Tritanomaly

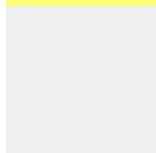
85.8952, 93.3232, 69.9859

Monochromacy



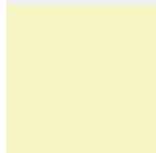
Original Color

80.2700, 94.0880, 31.0697



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.1589, 88.6574, 64.5175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2700, 94.0880, 31.0697 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, 255, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 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, 255, 118) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 80.2700, 94.0880, 31.0697 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, 255, 118) }
```


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

```
.border{ border-color:rgb(255, 255, 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, 255, 118) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 80.2700, 94.0880, 31.0697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(255,  
255, 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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