

Converting Colors

XYZ(80.3477, 94.1190, 31.4807)

Have a look what the booklet for
XYZ(80.3477, 94.1190, 31.4807)
contains.

XYZ(80.3298, 94.1119, 31.3843)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.3298, 94.1119,
31.3843)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF77
RGB	255, 255, 119
RGB Percent	100%, 100%, 47%
CMY	0.0000, 0.0000, 0.5333
CMYK	0.00, 0.00, 0.53, 0.00
HSL	60°, 100%, 73%
HSV	60°, 53%, 100%
XYZ	80.3298, 94.1119, 31.3843
YIQ	239.4960, 43.6560, -42.2960

Conversions

Conversions Part 2

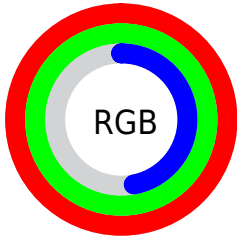
Format	Color
R _Y B	119, 255, 119
Decimal	16777079
CIE Lab	97.68, -17.25, 63.88
CIE LCh	98, 66.170, 105.115
Yxy	94.1119, 0.3903, 0.4572
Android (android.graphics.Color)	4294967159 (0xFFFFFFFF77)
YUV	239.4960, -59.4045, 13.5970
Hunter-Lab	97.0113, -21.9636, 48.7269

Details

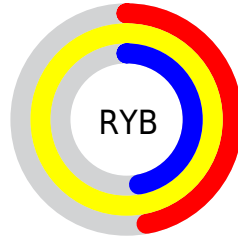
The XYZ color **80.3298, 94.1119, 31.3843** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **32.2556, 24.3368, 97.6052**, and the grayscale version is **82.8550, 87.1699, 94.9280**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **43.8844, 52.4941, 12.6699** is the 20% darker color. If you saturate the color by 10%, you get **78.9980, 93.5792, 24.3722**, and if you desaturate by 10%, it is **82.0725, 94.8090, 40.5622**.

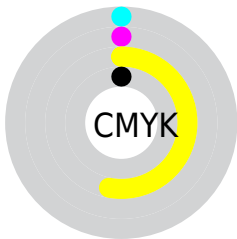
Distribution



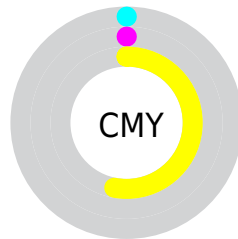
- Red (100%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3298, 94.1119, 31.3843 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 80.3298, 94.1119, 31.3843 by changing the saturation by 10% instead.


 80.3298, 94.1119,
31.3843

 80.3298, 94.1119,
31.3843


484.7632,
541.3179, 322.7108


 60.2992, 71.3960,
20.6307


 132.7774,
153.0371, 62.9313

 43.9102, 52.6655,
12.6657


 165.9251,
190.0152, 84.5617

 30.7975, 37.5358,
7.0708


 204.1759,
232.5162, 110.6550

 20.5958, 25.6226,
3.4273

247.8951,
280.9244, 141.6294

 12.9396, 16.5415,
1.3167

297.4480,
335.6243, 177.9037

 7.4637, 9.9081,
0.0754

353.2002,

 3.8026, 5.3381,

397.0003, 219.8963

0.0000

415.5168,
465.4367, 268.0258

■ 1.5911, 2.4470,
0.0000

■ 0.3866, 0.8499,
0.0000

■ 80.3298, 94.1119,
31.3843

■ 80.3298, 94.1119,
31.3843

■ 78.9980, 93.5792,
24.3722

■ 82.0725, 94.8090,
40.5622

■ 78.0433, 93.1973,
19.3450


■ 84.2560, 95.6824,
52.0599


■ 77.4268, 92.9507,
16.0985

■ 86.9073, 96.7429,
66.0216

■ 77.1010, 92.8204,
14.3829

■ 90.0516, 98.0006,
82.5790

 76.9998, 92.7799,
13.8500

 93.7120, 99.4648,
101.8542

95.0500, 100.0000,
108.9000

Harmonies

Analogous

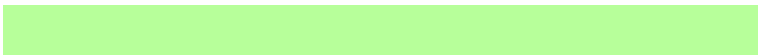
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



99.0866, 94.1119, 31.3354



80.3298, 94.1119, 31.3843



66.1524, 94.1119, 45.2941

Triad

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



80.3298, 94.1119, 31.3843



66.2364, 94.1119, 195.0003



129.2439, 94.1119, 131.5124

Complementary

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



80.3298, 94.1119, 31.3843



32.2556, 24.3368, 97.6052

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.



117.6622, 94.1119, 194.5493



80.3298, 94.1119, 31.3843



80.4604, 94.1119, 239.0638

Square

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



80.3298, 94.1119, 31.3843



58.8276, 94.1119, 131.9871



99.2368, 94.1119, 238.8746



129.1959, 94.1119, 77.7215

Rectangle

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



80.3298, 94.1119, 31.3843



60.4386, 94.1119, 64.7087



99.2368, 94.1119, 238.8746



126.5172, 94.1119, 152.6445

Sweetspot

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



80.3299, 94.1119, 31.3855



89.1631, 97.6452, 77.9003



51.1673, 35.7865, 21.6646



18.9432, 20.8435, 15.9292



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

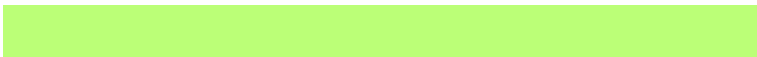
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3299, 94.1119, 31.3855



78.9229, 93.5491, 23.9765



59.5840, 83.4170, 30.4146



19.5613, 21.0908, 19.1843



40.2341, 48.4795, 7.2369



3.9174, 4.7203, 0.7046

Inverse Universe

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



32.2556, 24.3368, 97.6052



26.2536, 17.1047, 96.5256



45.1412, 30.9796, 98.2082



17.0031, 17.3778, 22.7080



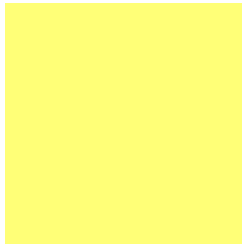
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 80.3298, 94.1119, 31.3843 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 80.3298, 94.1119, 31.3843 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 80.3298, 94.1119, 31.3843

Background



This preview shows how black text looks on a background with the XYZ color 80.3298, 94.1119, 31.3843.



This preview shows how white text looks on a background with the XYZ color 80.3298, 94.1119,

Color Blindness Simulation

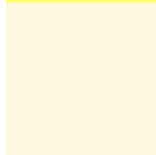
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



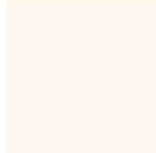
Original Color

80.3298, 94.1119, 31.3843



Protanopia

88.3980, 93.8310, 84.6863



Deuteranopia

90.0808, 94.0135, 95.0600



Tritanopia

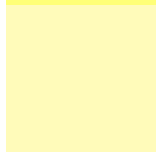
91.7665, 94.1998, 105.4412

Trichromacy



Original Color

80.3298, 94.1119, 31.3843



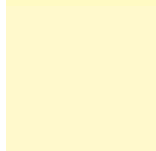
Protanomaly

84.6001, 93.7995, 60.1006



Deuteranomaly

85.2759, 93.5713, 65.1963



Tritanomaly

86.0148, 93.3710, 70.6157

Monochromacy



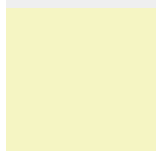
Original Color

80.3298, 94.1119, 31.3843



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 80.3298, 94.1119, 31.3843 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 119) }
```

Border

The CSS property to change the border of an element to XYZ 80.3298, 94.1119, 31.3843 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, 119) }
```


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

```
.border{ border-color:rgb(255, 255, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3298, 94.1119, 31.3843 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, 119) }
```

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

```
.background{ background-color: rgb(255,  
255, 119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor