

Converting Colors

XYZ(84.5127, 100.0000,
35.5673)

Have a look what the booklet for
XYZ(84.5127, 100.0000, 35.5673)
contains.

XYZ(80.9624, 94.3650, 34.7160)	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(80.9624, 94.3650,
34.7160)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF81
RGB	255, 255, 129
RGB Percent	100%, 100%, 51%
CMY	0.0000, 0.0000, 0.4941
CMYK	0.00, 0.00, 0.49, 0.00
HSL	60°, 100%, 75%
HSV	60°, 49%, 100%
XYZ	80.9624, 94.3650, 34.7160
YIQ	240.6360, 40.4460, -39.1860

Conversions

Conversions Part 2

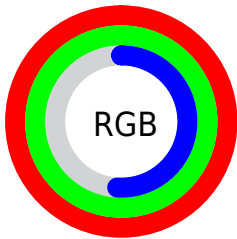
Format	Color
R_{YB}	129, 255, 129
Decimal	16777089
CIE _{Lab}	97.78, -16.46, 59.54
CIE _{LCh}	98, 61.770, 105.450
Yxy	94.3650, 0.3855, 0.4493
Android (android.graphics.Color)	4294967169 (0xFFFFFFFF81)
YUV	240.6360, -55.0365, 12.5972
Hunter-Lab	97.1416, -21.2276, 46.8104

Details

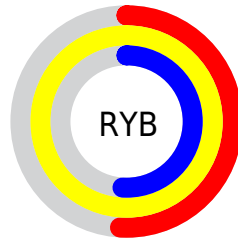
The XYZ color **80.9624, 94.3650, 34.7160** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.9546, 27.5889, 98.0906**, and the grayscale version is **83.7185, 88.0784, 95.9173**.

A 20% lighter version of the original color is **85.7570, 96.2828, 59.9635**, and **44.2290, 52.6319, 14.4845** is the 20% darker color. If you saturate the color by 10%, you get **79.4733, 93.7693, 26.8755**, and if you desaturate by 10%, it is **82.8746, 95.1298, 44.7862**.

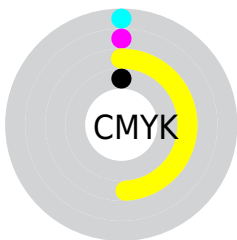
Distribution



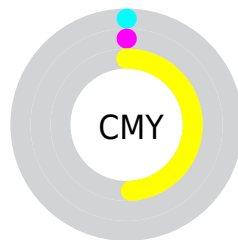
- Red (100%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (51%)



- Cyan (0%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9624, 94.3650, 34.7160 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 80.9624, 94.3650, 34.7160 by changing the saturation by 10% instead.


 80.9624, 94.3650,
34.7160

 80.9624, 94.3650,
34.7160


486.8576,
542.1301, 338.1791


 60.8218, 71.6066,
23.1624


 133.6614,
153.3870, 68.1921

 44.3334, 52.8374,
14.5070


 166.9505,
190.4194, 90.9518

 31.1317, 37.6729,
8.3314


 205.3532,
232.9786, 118.2838

 20.8515, 25.7290,
4.2169

249.2348,
281.4490, 150.6068

 13.1273, 16.6210,
1.7451

298.9607,
336.2149, 188.3393

 7.5939, 9.9646,
0.3914

354.8962,

 3.8858, 5.3755,

397.6608, 231.8998

0.0000

417.4067,
466.1711, 281.7069

■ 1.6377, 2.4692,
0.0000

■ 0.4168, 0.8612,
0.0000

■ 80.9624, 94.3650,
34.7160

■ 80.9624, 94.3650,
34.7160

■ 79.4733, 93.7693,
26.8755

■ 82.8746, 95.1298,
44.7862

■ 78.3750, 93.3300,
21.0921

■ 85.2385, 96.0754,
57.2338

■ 77.6309, 93.0323,
17.1741

■ 88.0803, 97.2121,
72.1983

■ 77.1975, 92.8589,
14.8920

■ 91.4243, 98.5497,
89.8074

■ 77.0078, 92.7831, 95.0500, 100.0000,
13.8934 108.9000

■ 76.9996, 92.7798,
13.8500

Harmonies

Analogous

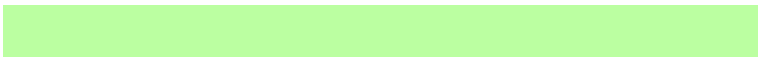
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98.4776, 94.3650, 34.5250



80.9624, 94.3650, 34.7160



67.6425, 94.3650, 48.5905

Triad

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



80.9624, 94.3650, 34.7160



67.9547, 94.3650, 188.5978



126.6563, 94.3650, 129.1113

Complementary

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



80.9624, 94.3650, 34.7160



34.9546, 27.5889, 98.0906

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.



116.0753, 94.3650, 186.9867



80.9624, 94.3650, 34.7160



81.4435, 94.3650, 228.2365

Square

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



80.9624, 94.3650, 34.7160



60.8305, 94.3650, 130.8332



99.0257, 94.3650, 227.5656



126.4830, 94.3650, 78.9995

Rectangle

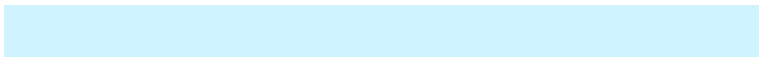
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9624, 94.3650, 34.7160



62.2613, 94.3650, 67.4661



99.0257, 94.3650, 227.5656



124.1843, 94.3650, 148.5808

Sweetspot

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



80.9625, 94.3650, 34.7172



89.4918, 97.7767, 79.6314



53.0534, 38.5465, 25.4141



19.0079, 20.8694, 16.2700



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

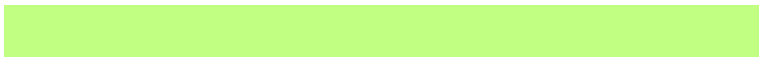
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9625, 94.3650, 34.7172



79.5265, 93.7906, 27.1556



61.4614, 84.3118, 33.8046



19.5613, 21.0908, 19.1843



40.2339, 48.4794, 7.2369



3.9174, 4.7203, 0.7046

Inverse Universe

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



34.9546, 27.5889, 98.0906



28.8289, 20.2078, 96.9888



47.6394, 34.1282, 98.6843



17.0031, 17.3778, 22.7080



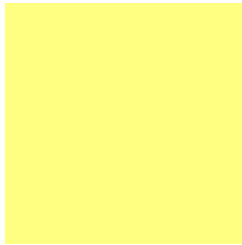
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 80.9624, 94.3650, 34.7160 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 80.9624, 94.3650, 34.7160 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 80.9624, 94.3650, 34.7160

Background



This preview shows how black text looks on a background with the XYZ color 80.9624, 94.3650, 34.7160.



This preview shows how white text looks on a background with the XYZ color 80.9624, 94.3650,

Color Blindness Simulation

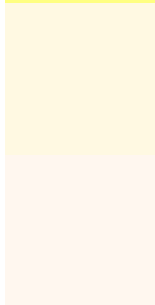
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

80.9624, 94.3650, 34.7160



Protanopia

88.8431, 94.5024, 85.5097

Deuteranopia

90.0808, 94.0135, 95.0600



Tritanopia

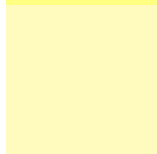
91.7665, 94.1998, 105.4412

Trichromacy



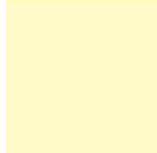
Original Color

80.9624, 94.3650, 34.7160



Protanomaly

85.1412, 94.0159, 62.9497



Deuteranomaly

85.7344, 93.7547, 67.6106



Tritanomaly

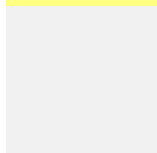
86.3782, 93.5164, 72.5293

Monochromacy



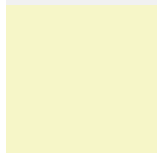
Original Color

80.9624, 94.3650, 34.7160



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.3871, 89.6745, 67.6629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9624, 94.3650, 34.7160 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 129) }
```

Border

The CSS property to change the border of an element to XYZ 80.9624, 94.3650, 34.7160 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, 129) }
```


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

```
.border{ border-color:rgb(255, 255, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9624, 94.3650, 34.7160 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, 129) }
```

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

```
.background{ background-color: rgb(255,  
255, 129) }
```

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