

Converting Colors

XYZ(119.4628, 133.0445,
36.0523)

Have a look what the booklet for
XYZ(119.4628, 133.0445, 36.0523)
contains.

XYZ(80.1524, 94.0410, 30.4502)	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(80.1524, 94.0410,
30.4502)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF74
RGB	255, 255, 116
RGB Percent	100%, 100%, 45%
CMY	0.0000, 0.0000, 0.5451
CMYK	0.00, 0.00, 0.55, 0.00
HSL	60°, 100%, 73%
HSV	60°, 55%, 100%
XYZ	80.1524, 94.0410, 30.4502
YIQ	239.1540, 44.6190, -43.2290

Conversions

Conversions Part 2

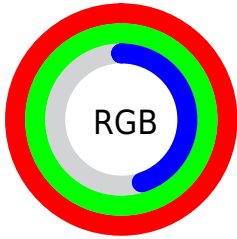
Format	Color
R _Y B	116, 255, 116
Decimal	16777076
CIE Lab	97.65, -17.48, 65.16
CIE LCh	98, 67.460, 105.017
Yxy	94.0410, 0.3917, 0.4595
Android (android.graphics.Color)	4294967156 (0xFFFFFFFF74)
YUV	239.1540, -60.7149, 13.8969
Hunter-Lab	96.9747, -22.1704, 49.2652

Details

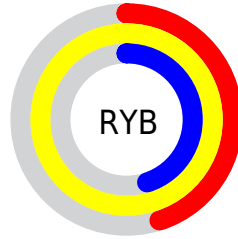
The XYZ color **80.1524, 94.0410, 30.4502** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **31.4989, 23.4250, 97.4690**, and the grayscale version is **82.5969, 86.8984, 94.6323**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **43.7746, 52.4502, 12.0917** is the 20% darker color. If you saturate the color by 10%, you get **78.8668, 93.5267, 23.6814**, and if you desaturate by 10%, it is **81.8452, 94.7180, 39.3650**.

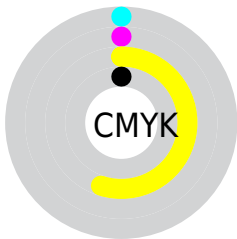
Distribution



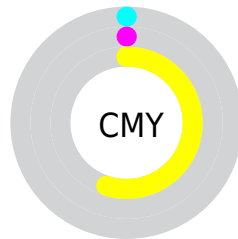
- Red (100%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (45%)



- Cyan (0%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.1524, 94.0410, 30.4502 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 80.1524, 94.0410, 30.4502 by changing the saturation by 10% instead.


 80.1524, 94.0410,
30.4502


 80.1524, 94.0410,
30.4502


484.1750,
541.0903, 318.2697

 60.1527, 71.3371,
19.9256


 132.5294,
152.9390, 61.4428

 43.7916, 52.6173,
12.1574


 165.6373,
189.9019, 82.7479

 30.7039, 37.4974,
6.7272


 203.8454,
232.3866, 108.4836

 20.5242, 25.5928,
3.2162

247.5190,
280.7774, 139.0684

 12.8872, 16.5193,
1.2061

297.0233,
335.4588, 174.9209

 7.4273, 9.8923,
0.0000

352.7239,

 3.7795, 5.3276,

396.8151, 216.4596

0.0000

414.9860,
465.2308, 264.1030

■ 1.5781, 2.4408,
0.0000

■ 0.3781, 0.8467,
0.0000

■ 80.1524, 94.0410,
30.4502

■ 80.1524, 94.0410,
30.4502

■ 78.8668, 93.5267,
23.6814

■ 81.8452, 94.7180,
39.3650

■ 77.9540, 93.1616,
18.8750


■ 83.9753, 95.5701,
50.5820


■ 77.3743, 92.9297,
15.8227

■ 86.5703, 96.6081,
64.2469

■ 77.0790, 92.8116,
14.2675

■ 89.6553, 97.8421,
80.4924

 76.9997, 92.7798,
13.8500

 93.2539, 99.2815,
99.4418

95.0500, 100.0000,
108.9000

Harmonies

Analogous

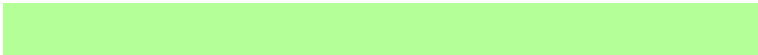
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



99.2739, 94.0410, 30.4429



80.1524, 94.0410, 30.4502



65.7254, 94.0410, 44.3537

Triad

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



80.1524, 94.0410, 30.4502



65.7381, 94.0410, 196.8927



130.0108, 94.0410, 132.2419

Complementary

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



80.1524, 94.0410, 30.4502



31.4989, 23.4250, 97.4690

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.



118.1292, 94.0410, 196.8238



80.1524, 94.0410, 30.4502



80.1722, 94.0410, 242.2989

Square

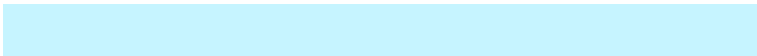
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1524, 94.0410, 30.4502



58.2506, 94.0410, 132.3141



99.2967, 94.0410, 242.2699



130.0035, 94.0410, 77.3641

Rectangle

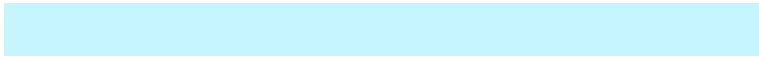
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1524, 94.0410, 30.4502



59.9154, 94.0410, 63.9084



99.2967, 94.0410, 242.2699



127.2073, 94.0410, 153.8704

Sweetspot

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



80.1524, 94.0410, 30.4514



89.1631, 97.6452, 77.9003



50.6384, 35.0127, 20.6134



18.9432, 20.8435, 15.9292



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

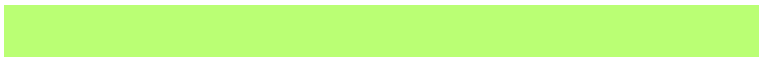
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1524, 94.0410, 30.4514



78.8135, 93.5054, 23.4008



59.0415, 83.1579, 29.4634



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.



31.4989, 23.4250, 97.4690



25.7871, 16.5427, 96.4417



44.4247, 30.0885, 98.0740



17.0031, 17.3778, 22.7080



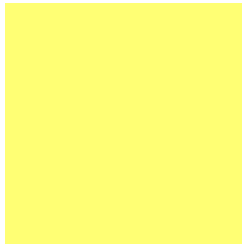
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 80.1524, 94.0410, 30.4502 looks on a white background.

Color Contrast Check

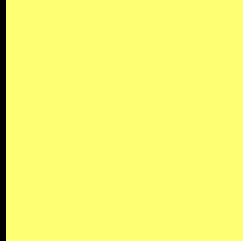
Large Text (above 18pt) WCAG AA × Fail

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 80.1524, 94.0410, 30.4502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

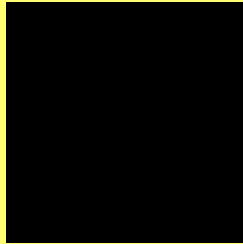
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.1524, 94.0410, 30.4502

Background



This preview shows how black text looks on a background with the XYZ color 80.1524, 94.0410, 30.4502.



This preview shows how white text looks on a background with the XYZ color 80.1524, 94.0410,

Color Blindness Simulation

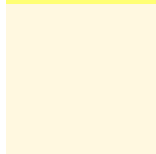
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



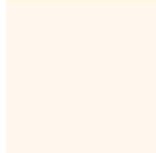
Original Color

80.1524, 94.0410, 30.4502



Protanopia

88.2619, 93.7766, 83.9698



Deuteranopia

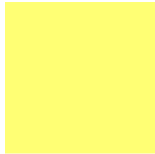
89.9334, 93.9546, 94.2840



Tritanopia

91.6084, 94.1366, 104.6087

Trichromacy



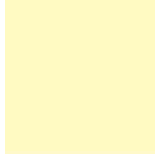
Original Color

80.1524, 94.0410, 30.4502



Protanomaly

84.4941, 93.7571, 59.5426



Deuteranomaly

85.1632, 93.5263, 64.6027



Tritanomaly

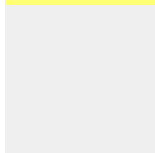
85.7764, 93.2756, 69.3602

Monochromacy



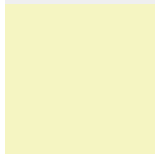
Original Color

80.1524, 94.0410, 30.4502



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.0462, 88.6123, 63.9239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1524, 94.0410, 30.4502 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 116) }
```

Border

The CSS property to change the border of an element to XYZ 80.1524, 94.0410, 30.4502 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, 116) }
```


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

```
.border{ border-color:rgb(255, 255, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1524, 94.0410, 30.4502 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, 116) }
```

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

```
.background{ background-color: rgb(255,  
255, 116) }
```

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