

# Converting Colors

XYZ(88.1135, 100.0000,  
33.3485)

Have a look what the booklet for  
XYZ(88.1135, 100.0000, 33.3485)  
contains.

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# **Color**

**XYZ(80.5752, 94.2101,  
32.6765)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFF7B
RGB	255, 255, 123
RGB Percent	100%, 100%, 48%
CMY	0.0000, 0.0000, 0.5176
CMYK	0.00, 0.00, 0.52, 0.00
HSL	60°, 100%, 74%
HSV	60°, 52%, 100%
XYZ	80.5752, 94.2101, 32.6765
YIQ	239.9520, 42.3720, -41.0520

# Conversions

## Conversions Part 2

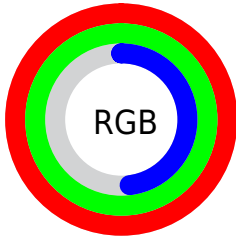
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">123, 255, 123</a>
Decimal	<a href="#">16777083</a>
CIELab	<a href="#">97.72, -16.94, 62.16</a>
CIELCh	<a href="#">98, 64.428, 105.247</a>
Yxy	<a href="#">94.2101, 0.3884, 0.4541</a>
Android (android.graphics.Color)	<a href="#">4294967163 (0xFFFFFFFF7B)</a>
YUV	<a href="#">239.9520, -57.6573, 13.1971</a>
Hunter-Lab	<a href="#">97.0619, -21.6779, 47.9830</a>

# Details

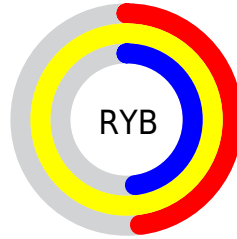
The XYZ color **80.5752, 94.2101, 32.6765** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **33.3024, 25.5981, 97.7934**, and the grayscale version is **83.1998, 87.5327, 95.3231**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **44.0024, 52.5413, 13.2911** is the 20% darker color. If you saturate the color by 10%, you get **79.1811, 93.6524, 25.3362**, and if you desaturate by 10%, it is **82.3852, 94.9341, 42.2084**.

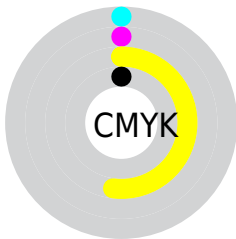
# Distribution



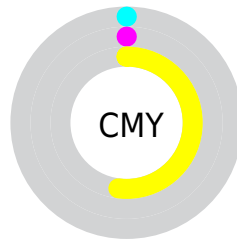
- Red (100%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (48%)



- Cyan (0%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5752, 94.2101, 32.6765 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 80.5752, 94.2101, 32.6765 by changing the saturation by 10% instead.





 80.5752, 94.2101,  
32.6765


 80.5752, 94.2101,  
32.6765


485.5762,  
541.6331, 328.7767


 60.5019, 71.4777,  
21.6097


 133.1204,  
153.1729, 64.9803

 44.0743, 52.7321,  
13.3748


 166.3230,  
190.1721, 87.0544

 30.9271, 37.5890,  
7.5534


 204.6328,  
232.6956, 113.6346

 20.6949, 25.6638,  
3.7269

248.4151,  
281.1280, 145.1394

 13.0123, 16.5723,  
1.4767

298.0352,  
335.8535, 181.9876

 7.5141, 9.9300,  
0.2005

353.8585,

 3.8348, 5.3526,

397.2566, 224.5974

0.0000

416.2504,  
465.7217, 273.3876

■ 1.6091, 2.4556,  
0.0000

■ 0.3983, 0.8543,  
0.0000

■ 80.5752, 94.2101,  
32.6765

■ 80.5752, 94.2101,  
32.6765

■ 79.1811, 93.6524,  
25.3362

■ 82.3852, 94.9341,  
42.2084

■ 78.1697, 93.2478,  
20.0102


■ 84.6403, 95.8361,  
54.0835


■ 77.5030, 92.9812,  
16.4995

■ 87.3674, 96.9269,  
68.4440

■ 77.1352, 92.8341,  
14.5630

■ 90.5911, 98.2164,  
85.4199

 76.9998, 92.7799,  
13.8500

 94.3344, 99.7138,  
105.1319

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

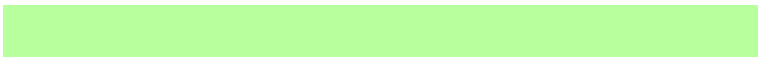
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98.8399, 94.2101, 32.5713



80.5752, 94.2101, 32.6765



66.7362, 94.2101, 46.5831

# Triad

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



80.5752, 94.2101, 32.6765



66.9134, 94.2101, 192.4556



128.2142, 94.2101, 130.5454

# Complementary

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



80.5752, 94.2101, 32.6765



33.3024, 25.5981, 97.7934

# 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.



117.0329, 94.2101, 191.5187



80.5752, 94.2101, 32.6765



80.8498, 94.2101, 234.7384

# Square

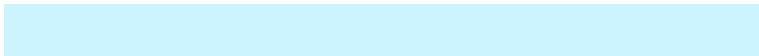
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5752, 94.2101, 32.6765



59.6143, 94.2101, 131.5376



99.1545, 94.2101, 234.3465



128.1141, 94.2101, 78.2165

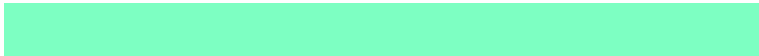


# Rectangle

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



80.5752, 94.2101, 32.6765



61.1533, 94.2101, 65.7957



99.1545, 94.2101, 234.3465



125.5897, 94.2101, 151.0136

# Sweetspot

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



80.5753, 94.2101, 32.6777



89.1631, 97.6452, 77.9003



51.8988, 36.8570, 23.1189



18.9432, 20.8435, 15.9292



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

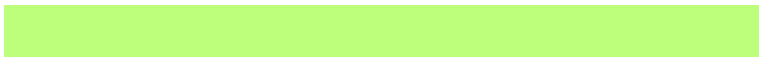
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5753, 94.2101, 32.6777



79.1529, 93.6411, 25.1876



60.3221, 83.7692, 31.7299



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.



33.3024, 25.5981, 97.7934



27.2346, 18.2868, 96.7020



46.1202, 32.2059, 98.3933



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

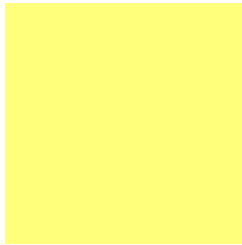


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 80.5752, 94.2101, 32.6765 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 80.5752, 94.2101, 32.6765 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 80.5752, 94.2101, 32.6765**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.5752, 94.2101, 32.6765.



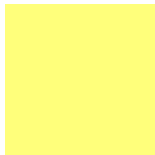
This preview shows how white text looks on a background with the XYZ color 80.5752, 94.2101,



# Color Blindness Simulation

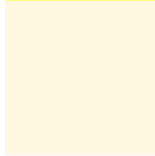
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



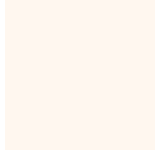
**Original Color**

80.5752, 94.2101, 32.6765



**Protanopia**

88.3980, 93.8310, 84.6863



**Deuteranopia**

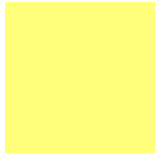
90.0808, 94.0135, 95.0600



## Tritanopia

91.7665, 94.1998, 105.4412

# Trichromacy



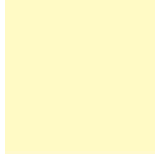
## Original Color

80.5752, 94.2101, 32.6765



## Protanomaly

84.8143, 93.8852, 61.2284



## Deuteranomaly

85.5037, 93.6624, 66.3955



## Tritanomaly

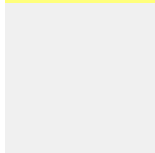
86.1351, 93.4191, 71.2495

# Monochromacy



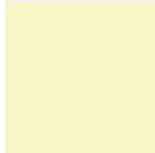
## Original Color

80.5752, 94.2101, 32.6765



## Achromatopsia

82.8234, 87.1367, 94.8919



## Achromatomaly

80.3866, 88.7485, 65.7167

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.5752, 94.2101, 32.6765 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 80.5752, 94.2101, 32.6765 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, 123) }
```



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

```
.border{ border-color:rgb(255, 255, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.5752, 94.2101, 32.6765 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, 123) }
```

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

```
.background{ background-color: rgb(255,  
255, 123) }
```

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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