

# Converting Colors

XYZ(124.4671, 114.3374,  
44.3692)

Have a look what the booklet for  
XYZ(124.4671, 114.3374, 44.3692)  
contains.

<b>XYZ(80.9306, 91.8332, 42.3142)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(80.9306, 91.8332,  
42.3142)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFA96
RGB	255, 250, 150
RGB Percent	100%, 98%, 59%
CMY	0.0000, 0.0196, 0.4118
CMYK	0.00, 0.02, 0.41, 0.00
HSL	57°, 100%, 79%
HSV	57°, 41%, 100%
XYZ	80.9306, 91.8332, 42.3142
YIQ	240.0950, 35.0800, -30.0400

# Conversions

## Conversions Part 2

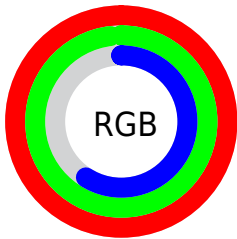
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 255, 150
Decimal	16775830
CIELab	96.75, -12.09, 48.45
CIELCh	97, 49.936, 104.013
Yxy	91.8332, 0.3763, 0.4270
Android (android.graphics.Color)	4294965910 (0xFFFFFA96)
YUV	240.0950, -44.4168, 13.0717
Hunter-Lab	95.8296, -16.9540, 40.9009

# Details

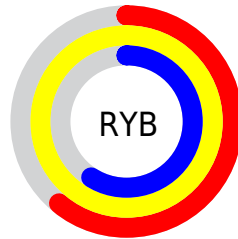
The XYZ color **80.9306, 91.8332, 42.3142** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.3488, 37.1456, 99.5454**, and the grayscale version is **83.2185, 87.5523, 95.3445**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **44.4754, 51.3170, 18.8703** is the 20% darker color. If you saturate the color by 10%, you get **78.7219, 90.3520, 32.5265**, and if you desaturate by 10%, it is **83.5930, 93.5064, 54.4595**.

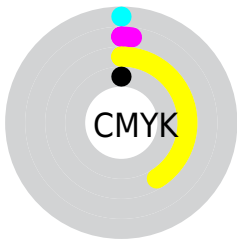
# Distribution



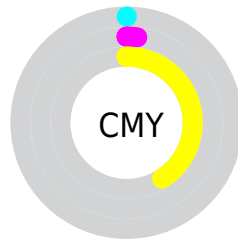
- Red (100%)
- Green (98%)
- Blue (59%)



- Red (61%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (2%)
- Yellow (41%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9306, 91.8332, 42.3142 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 80.9306, 91.8332, 42.3142 by changing the saturation by 10% instead.




 80.9306, 91.8332,  
42.3142


 80.9306, 91.8332,  
42.3142


486.7524,  
533.9763, 371.6218

 60.7955, 69.5021,  
29.0200


 133.6170,  
149.8822, 79.9502

 44.3121, 51.1207,  
18.8502


 166.8990,  
186.3689, 105.1290

 31.1149, 36.3047,  
11.3864

205.2941,  
228.3429, 135.1064

 20.8386, 24.6696,  
6.2099

249.1675,  
276.1886, 170.3010

 13.1179, 15.8311,  
2.9023

298.8848,  
330.2904, 211.1313

 7.5873, 9.4047,  
1.0450

354.8111,

 3.8816, 5.0061,

391.0326, 258.0158

0.0000

417.3118,  
458.7998, 311.3731

■ 1.6354, 2.2508,  
0.0000

■ 0.4153, 0.7475,  
0.0000

■ 80.9306, 91.8332,  
42.3142

■ 80.9306, 91.8332,  
42.3142

■ 78.7219, 90.3520,  
32.5265

■ 83.5930, 93.5064,  
54.4595

■ 76.9310, 89.0385,  
24.9365

■ 86.7291, 95.3696,  
69.0971

■ 75.5273, 87.8837,  
19.3736

■ 90.3656, 97.4369,  
86.3581

■ 74.4731, 86.8726,  
15.6396

■ 94.5255, 99.7174,  
106.3631

■ 73.7233, 85.9871, 95.0499, 100.0000,  
13.4963 108.9000

■ 73.2526, 85.2853,  
12.6009

# Harmonies

## Analogous

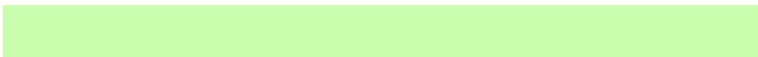
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.9066, 91.8332, 42.7027



80.9306, 91.8332, 42.3142



69.8933, 91.8332, 54.1817

# Triad

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



80.9306, 91.8332, 42.3142



69.3297, 91.8332, 163.6537



115.7881, 91.8332, 122.7498

# Complementary

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



80.9306, 91.8332, 42.3142



42.3488, 37.1456, 99.5454

# 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.



107.3453, 91.8332, 166.2746



80.9306, 91.8332, 42.3142



80.0822, 91.8332, 193.8620

# Square

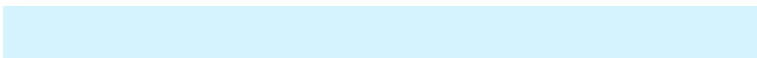
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9306, 91.8332, 42.3142



63.6962, 91.8332, 119.8333



93.9630, 91.8332, 194.9322

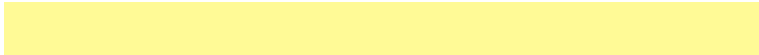


116.0780, 91.8332, 82.4692

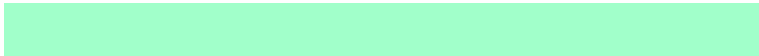


# Rectangle

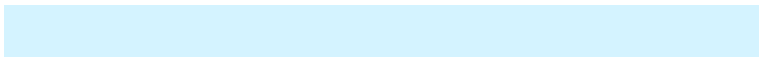
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9306, 91.8332, 42.3142



65.2648, 91.8332, 69.8856



93.9630, 91.8332, 194.9322



113.7720, 91.8332, 137.6960

# Sweetspot

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



80.9328, 91.8374, 42.3161



90.0464, 97.2586, 84.8326



58.0844, 45.4486, 36.8328



19.1669, 20.7575, 17.6485



0.0000, 0.0000, 0.0000

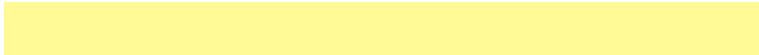


20.3446, 21.4041, 23.3091



# Same Dimension

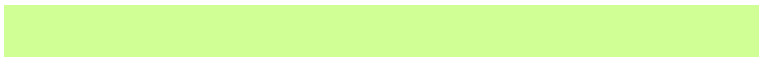
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9328, 91.8374, 42.3161



79.1662, 90.6602, 34.4634



67.2077, 87.0958, 42.1243



19.4828, 20.9339, 19.1581



38.3085, 44.6282, 6.5950



3.7519, 4.3891, 0.6494



# Inverse Universe

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



42.3488, 37.1456, 99.5454



36.0666, 29.5759, 98.4155



52.0486, 40.9379, 99.7661



17.0723, 17.5162, 22.7311



9.5302, 3.9700, 49.6986



0.9512, 0.4331, 4.8467



# Previews

## White Background



This preview shows how the XYZ color 80.9306, 91.8332, 42.3142 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 80.9306, 91.8332, 42.3142 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

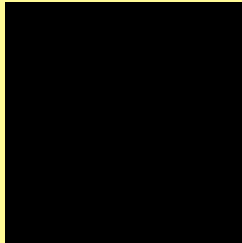
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.9306, 91.8332, 42.3142**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.9306, 91.8332, 42.3142.



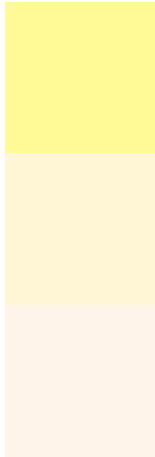
This preview shows how white text looks on a background with the XYZ color 80.9306, 91.8332,



# 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**

80.9306, 91.8332, 42.3142

**Protanopia**

86.2060, 91.9756, 76.1603

**Deuteranopia**

88.2987, 91.8446, 90.1647



## Tritanopia

90.2474, 91.6664, 103.3793

# Trichromacy



## Original Color

80.9306, 91.8332, 42.3142



## Protanomaly

83.7950, 91.4992, 61.9598



## Deuteranomaly

84.9753, 91.4833, 69.6793



## Tritanomaly

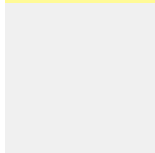
86.0300, 91.4199, 76.7299

# Monochromacy



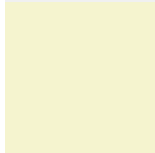
## Original Color

80.9306, 91.8332, 42.3142



## Achromatopsia

82.8234, 87.1367, 94.8919



## Achromatomaly

81.2694, 88.6188, 71.8533

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.9306, 91.8332, 42.3142 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, 250, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 150)  
}
```

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, 250, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 80.9306, 91.8332, 42.3142 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, 250, 150) }
```



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

```
.border{ border-color:rgb(255, 250, 150) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 250, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.9306, 91.8332, 42.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 150) }
```

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

```
.background{ background-color: rgb(255,  
250, 150) }
```

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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