

Converting Colors

XYZ(81.4088, 91.5725, 46.2255)

Have a look what the booklet for
XYZ(81.4088, 91.5725, 46.2255)
contains.

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Color

**XYZ(81.3737, 91.5146,
46.1761)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF99F
RGB	255, 249, 159
RGB Percent	100%, 98%, 62%
CMY	0.0000, 0.0235, 0.3765
CMYK	0.00, 0.02, 0.38, 0.00
HSL	56°, 100%, 81%
HSV	56°, 38%, 100%
XYZ	81.3737, 91.5146, 46.1761
YIQ	240.5340, 32.4660, -26.7180

Conversions

Conversions Part 2

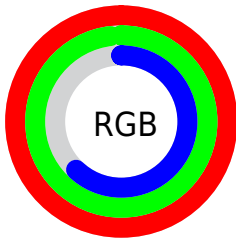
Format	Color
R _Y B	165, 255, 159
Decimal	16775583
CIE Lab	96.62, -10.67, 43.91
CIE LCh	97, 45.190, 103.652
Yxy	91.5146, 0.3715, 0.4178
Android (android.graphics.Color)	4294965663 (0xFFFFF99F)
YUV	240.5340, -40.1963, 12.6867
Hunter-Lab	95.6633, -15.5739, 38.3453

Details

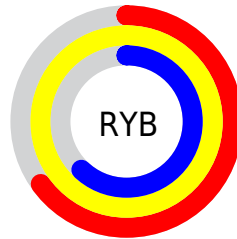
The XYZ color **81.3737, 91.5146, 46.1761** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.8030, 41.5000, 100.2039**, and the grayscale version is **83.5328, 87.8830, 95.7046**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **44.6974, 51.0509, 21.1337** is the 20% darker color. If you saturate the color by 10%, you get **78.8962, 89.7428, 35.5366**, and if you desaturate by 10%, it is **84.3165, 93.4857, 59.2247**.

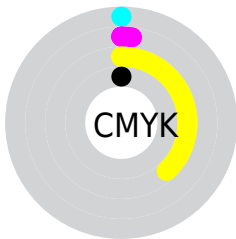
Distribution



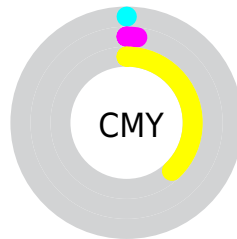
- Red (100%)
- Green (98%)
- Blue (62%)



- Red (65%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (2%)
- Yellow (38%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.3737, 91.5146, 46.1761 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 81.3737, 91.5146, 46.1761 by changing the saturation by 10% instead.


 81.3737, 91.5146,
46.1761


 81.3737, 91.5146,
46.1761


488.2166,
532.9456, 387.8143

 61.1618, 69.2375,
32.0351


 134.2358,
149.4405, 85.8195

 44.6088, 50.9052,
21.1233


 167.6166,
185.8580, 112.1591

 31.3493, 36.1332,
13.0220


206.1178,
227.7579, 143.4020

 21.0181, 24.5370,
7.3128

250.1048,
275.5245, 179.9666

 13.2498, 15.7325,
3.5771

299.9428,
329.5422, 222.2716

 7.6790, 9.3350,
1.3963

355.9972,

 3.9403, 4.9604,

390.1953, 270.7356

0.1389

418.6333,
457.8683, 325.7770

■ 1.6684, 2.2240,
0.0000

■ 0.4364, 0.7330,
0.0000

■ 81.3737, 91.5146,
46.1761

■ 81.3737, 91.5146,
46.1761

■ 78.8962, 89.7428,
35.5366

■ 84.3165, 93.4857,
59.2247

■ 76.8487, 88.1464,
27.1517

■ 87.7435, 95.6539,
74.8130

■ 75.2023, 86.7171,
20.8578

■ 91.6810, 98.0330,
93.0687

■ 73.9211, 85.4405,
16.4669

95.0500, 100.0000,
108.9000

■ 72.9631, 84.2998,
13.7572

■ 72.2726, 83.2727,
12.4364

■ 72.1299, 83.0398,
12.2266

Harmonies

Analogous

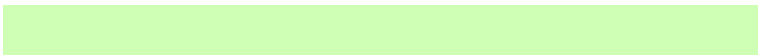
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.0002, 91.5146, 46.6855



81.3737, 91.5146, 46.1761



71.2685, 91.5146, 57.3073

Triad

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



81.3737, 91.5146, 46.1761



70.5629, 91.5146, 155.7931



112.4355, 91.5146, 120.5369

Complementary

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



81.3737, 91.5146, 46.1761



45.8030, 41.5000, 100.2039

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.



104.8502, 91.5146, 158.9329



81.3737, 91.5146, 46.1761



80.3219, 91.5146, 182.4180

Square

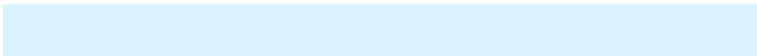
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.3737, 91.5146, 46.1761



65.4475, 91.5146, 116.9818



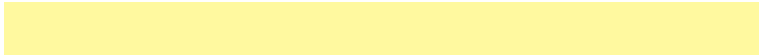
92.8420, 91.5146, 183.6892



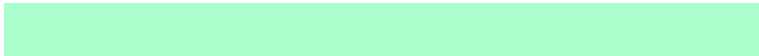
112.7870, 91.5146, 84.1097

Rectangle

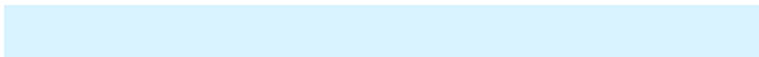
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.3737, 91.5146, 46.1761



66.9793, 91.5146, 71.8464



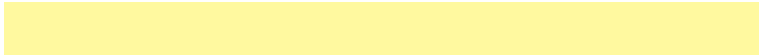
92.8420, 91.5146, 183.6892



110.6163, 91.5146, 133.8199

Sweetspot

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



81.3760, 91.5188, 46.1780



90.3021, 97.2110, 86.6410



60.4668, 48.7885, 42.0198



19.2127, 20.7375, 18.0074



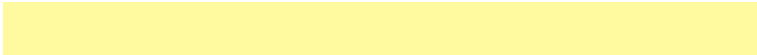
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

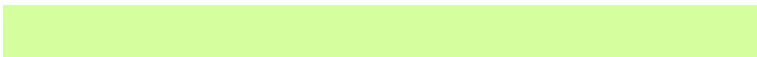
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.3760, 91.5188, 46.1780



79.5091, 90.1948, 38.1265



69.5753, 88.2295, 46.1651



19.4584, 20.8850, 19.1500



37.7311, 43.4734, 6.4026



3.7020, 4.2893, 0.6328

Inverse Universe

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



45.8030, 41.5000, 100.2039



39.4056, 33.8136, 99.0575



54.4290, 44.3795, 100.3051



17.0940, 17.5597, 22.7383



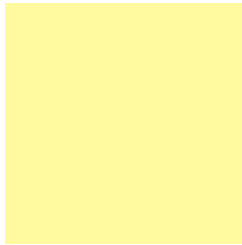
9.5623, 4.0341, 49.7093



0.9615, 0.4537, 4.8502

Previews

White Background



This preview shows how the XYZ color 81.3737, 91.5146, 46.1761 looks on a white background.

Color Contrast Check

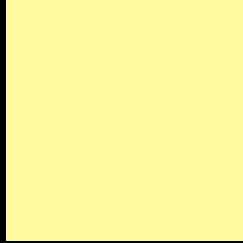
Large Text (above 18pt) WCAG AA × Fail

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 81.3737, 91.5146, 46.1761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

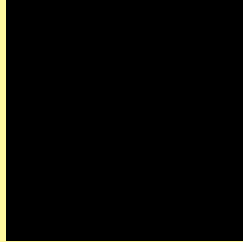
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.3737, 91.5146, 46.1761

Background



This preview shows how black text looks on a background with the XYZ color 81.3737, 91.5146, 46.1761.

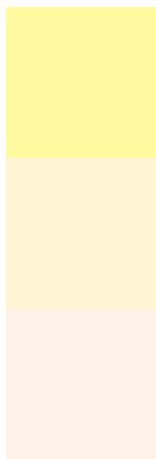


This preview shows how white text looks on a background with the XYZ color 81.3737, 91.5146,

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

81.3737, 91.5146, 46.1761

Protanopia

85.7761, 91.3183, 75.3927

Deuteranopia

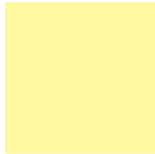
87.9986, 91.2444, 90.0647



Tritanopia

90.2474, 91.6664, 103.3793

Trichromacy



Original Color

81.3737, 91.5146, 46.1761



Protanomaly

83.8214, 91.0218, 63.6032



Deuteranomaly

85.0330, 91.0210, 71.4796



Tritanomaly

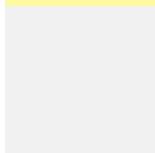
86.4168, 91.5746, 78.7666

Monochromacy



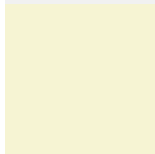
Original Color

81.3737, 91.5146, 46.1761



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

82.1146, 88.9973, 74.4783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.3737, 91.5146, 46.1761 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, 249, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 159)  
}
```

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, 249, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 159) }
```

Border

The CSS property to change the border of an element to XYZ 81.3737, 91.5146, 46.1761 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, 249, 159) }
```


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

```
.border{ border-color:rgb(255, 249, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 81.3737, 91.5146, 46.1761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 159) }
```

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

```
.background{ background-color: rgb(255,  
249, 159) }
```

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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