

Converting Colors

XYZ(81.5322, 93.6238, 40.7038)

Have a look what the booklet for
XYZ(81.5322, 93.6238, 40.7038)
contains.

XYZ(81.4761, 93.5549, 40.5517)	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(81.4761, 93.5549,
40.5517)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFD91
RGB	255, 253, 145
RGB Percent	100%, 99%, 57%
CMY	0.0000, 0.0078, 0.4314
CMYK	0.00, 0.01, 0.43, 0.00
HSL	59°, 100%, 78%
HSV	59°, 43%, 100%
XYZ	81.4761, 93.5549, 40.5517
YIQ	241.2860, 35.8600, -33.1640

Conversions

Conversions Part 2

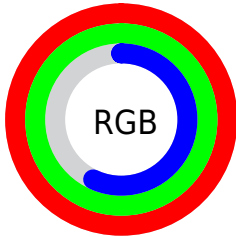
Format	Color
RYB	147, 255, 145
Decimal	16776593
CIELab	97.45, -14.05, 51.71
CIELCh	97, 53.586, 105.198
Yxy	93.5549, 0.3779, 0.4340
Android (android.graphics.Color)	4294966673 (0xFFFFFD91)
YUV	241.2860, -47.4690, 12.0272
Hunter-Lab	96.7238, -18.9056, 42.8492

Details

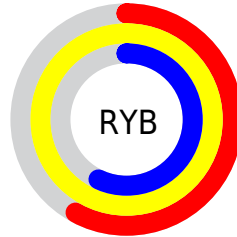
The XYZ color **81.4761, 93.5549, 40.5517** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.1607, 34.1062, 99.0740**, and the grayscale version is **84.1791, 88.5629, 96.4450**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **44.6630, 52.4410, 17.8933** is the 20% darker color. If you saturate the color by 10%, you get **79.5817, 92.5674, 31.2845**, and if you desaturate by 10%, it is **83.8167, 94.7282, 52.1469**.

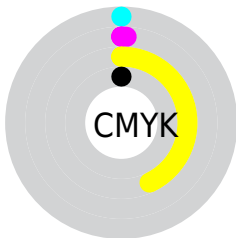
Distribution



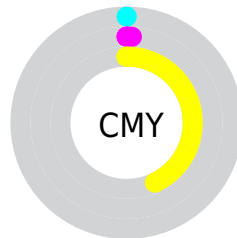
- Red (100%)
- Green (99%)
- Blue (57%)



- Red (58%)
- Yellow (100%)
- Blue (57%)



- Cyan (0%)
- Magenta (1%)
- Yellow (43%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.4761, 93.5549, 40.5517 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 81.4761, 93.5549, 40.5517 by changing the saturation by 10% instead.


 81.4761, 93.5549,
40.5517


 81.4761, 93.5549,
40.5517


488.5547,
539.5282, 364.0645

 61.2464, 70.9328,
27.6519


 134.3787,
152.2666, 77.2491

 44.6774, 52.2874,
17.8267


 167.7824,
189.1250, 101.8839

 31.4036, 37.2342,
10.6575


206.3081,
231.4977, 131.2673

 21.0597, 25.3889,
5.7257

250.3212,
279.7690, 165.8181

 13.2803, 16.3670,
2.6130

300.1871,
334.3233, 205.9546

 7.7002, 9.7842,
0.8991

356.2710,

 3.9539, 5.2561,

395.5450, 252.0955

0.0000

418.9384,
463.8185, 304.6593

■ 1.6761, 2.3983,
0.0000

■ 0.4412, 0.8250,
0.0000

■ 81.4761, 93.5549,
40.5517

■ 81.4761, 93.5549,
40.5517

■ 79.5817, 92.5674,
31.2845

■ 83.8167, 94.7282,
52.1469

■ 78.0968, 91.7409,
24.1820

■ 86.6239, 96.0853,
66.2071

■ 76.9901, 91.0662,
19.0694

■ 89.9248, 97.6405,
82.8654

■ 76.2228, 90.5279,
15.7421

■ 93.7426, 99.4030,
102.2440

■ 75.7475, 90.1069, 95.0499, 100.0000,
13.9512 108.9000

■ 75.5435, 89.8672,
13.3645

Harmonies

Analogous

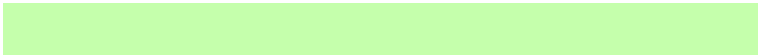
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.6005, 93.5549, 40.4709



81.4761, 93.5549, 40.5517



69.7509, 93.5549, 53.5279

Triad

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



81.4761, 93.5549, 40.5517



69.8722, 93.5549, 173.5607



120.2826, 93.5549, 124.7860

Complementary

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



81.4761, 93.5549, 40.5517



40.1607, 34.1062, 99.0740

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.



111.3167, 93.5549, 172.9790



81.4761, 93.5549, 40.5517



81.6599, 93.5549, 206.1344

Square

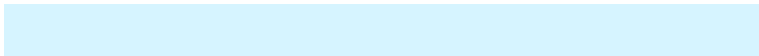
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4761, 93.5549, 40.5517



63.5896, 93.5549, 125.4256



96.8064, 93.5549, 205.8955



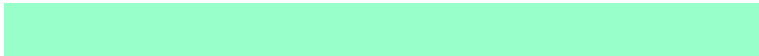
120.2188, 93.5549, 81.4573

Rectangle

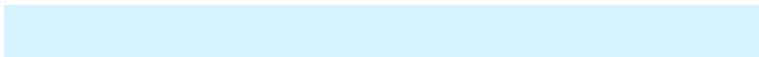
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.4761, 93.5549, 40.5517



64.9377, 93.5549, 70.6279



96.8064, 93.5549, 205.8955



118.1836, 93.5549, 141.1745

Sweetspot

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



81.4784, 93.5592, 40.5536



89.9734, 97.6632, 83.1107



56.7642, 43.6711, 33.7332



19.0924, 20.8266, 16.9512



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

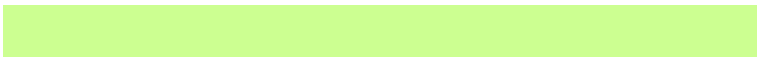
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4784, 93.5592, 40.5536



79.7760, 92.6717, 32.2254



65.6819, 86.3548, 39.9956



19.5314, 21.0309, 19.1743



39.4861, 46.9833, 6.9876



3.8533, 4.5919, 0.6832

Inverse Universe

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



40.1607, 34.1062, 99.0740



33.4414, 26.0041, 97.8645



51.0280, 39.2524, 99.4945



17.0294, 17.4304, 22.7168



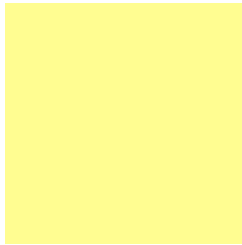
9.4691, 3.8478, 49.6782



0.9309, 0.3924, 4.8400

Previews

White Background



This preview shows how the XYZ color 81.4761, 93.5549, 40.5517 looks on a white background.

Color Contrast Check

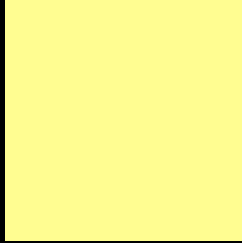
Large Text (above 18pt) WCAG AA × Fail

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 81.4761, 93.5549, 40.5517 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 81.4761, 93.5549, 40.5517

Background



This preview shows how black text looks on a background with the XYZ color 81.4761, 93.5549, 40.5517.



This preview shows how white text looks on a background with the XYZ color 81.4761, 93.5549,

Color Blindness Simulation

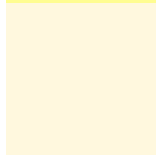
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



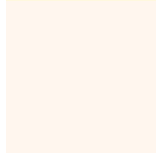
Original Color

81.4761, 93.5549, 40.5517



Protanopia

87.9922, 93.6687, 82.5494



Deuteranopia

89.6284, 93.3446, 94.1823



Tritanopia

91.4631, 93.5931, 105.3401

Trichromacy



Original Color

81.4761, 93.5549, 40.5517



Protanomaly

85.1632, 93.5263, 64.6027



Deuteranomaly

86.0148, 93.3710, 70.6157



Tritanomaly

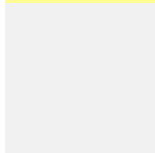
86.8176, 93.1989, 76.3642

Monochromacy



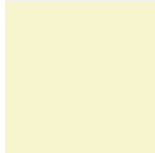
Original Color

81.4761, 93.5549, 40.5517



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.7990, 89.3539, 71.3283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.4761, 93.5549, 40.5517 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, 253, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 145)  
}
```

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, 253, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 145) }
```

Border

The CSS property to change the border of an element to XYZ 81.4761, 93.5549, 40.5517 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, 253, 145) }
```


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

```
.border{ border-color:rgb(255, 253, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 81.4761, 93.5549, 40.5517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 145) }
```

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

```
.background{ background-color: rgb(255,  
253, 145) }
```

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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