

Converting Colors

XYZ(146.9833, 125.5577,
47.6416)

Have a look what the booklet for
XYZ(146.9833, 125.5577, 47.6416)
contains.

XYZ(81.0321, 91.3779, 44.3772)	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(81.0321, 91.3779,
44.3772)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF99B
RGB	255, 249, 155
RGB Percent	100%, 98%, 61%
CMY	0.0000, 0.0235, 0.3921
CMYK	0.00, 0.02, 0.39, 0.00
HSL	56°, 100%, 80%
HSV	56°, 39%, 100%
XYZ	81.0321, 91.3779, 44.3772
YIQ	240.0780, 33.7500, -27.9620

Conversions

Conversions Part 2

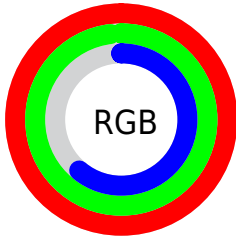
Format	Color
RYB	161, 255, 155
Decimal	16775579
CIELab	96.57, -11.09, 45.79
CIELCh	97, 47.117, 103.612
Yxy	91.3779, 0.3738, 0.4215
Android (android.graphics.Color)	4294965659 (0xFFFFFFFF99B)
YUV	240.0780, -41.9435, 13.0866
Hunter-Lab	95.5918, -15.9732, 39.3897

Details

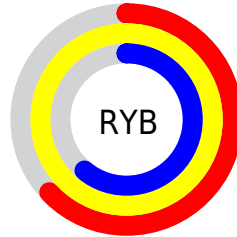
The XYZ color **81.0321, 91.3779, 44.3772** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.3123, 39.6773, 99.9307**, and the grayscale version is **83.1871, 87.5193, 95.3086**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **44.4942, 50.9696, 20.0634** is the 20% darker color. If you saturate the color by 10%, you get **78.6431, 89.6728, 34.1082**, and if you desaturate by 10%, it is **83.8816, 93.2800, 57.0328**.

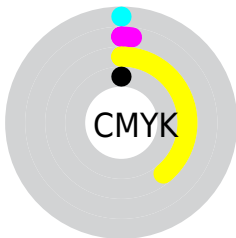
Distribution



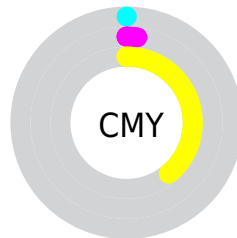
- Red (100%)
- Green (98%)
- Blue (61%)



- Red (63%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (2%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.0321, 91.3779, 44.3772 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 81.0321, 91.3779, 44.3772 by changing the saturation by 10% instead.


 81.0321, 91.3779,
44.3772


 81.0321, 91.3779,
44.3772


487.0880,
532.5030, 380.3316

 60.8794, 69.1240,
30.6278


 133.7588,
149.2509, 83.0936

 44.3800, 50.8127,
20.0595


 167.0635,
185.6388, 108.8976

 31.1686, 36.0596,
12.2538

205.4829,
227.5068, 139.5569

 20.8797, 24.4802,
6.7921

249.3823,
275.2394, 175.4900

 13.1481, 15.6902,
3.2560

299.1272,
329.2209, 217.1155

 7.6083, 9.3052,
1.2268

355.0829,

 3.8950, 4.9408,

389.8358, 264.8519

0.0006

417.6147,
457.4683, 319.1178

■ 1.6429, 2.2126,
0.0000

■ 0.4201, 0.7268,
0.0000

■ 81.0321, 91.3779,
44.3772

■ 81.0321, 91.3779,
44.3772

■ 78.6431, 89.6728,
34.1082

■ 83.8816, 93.2800,
57.0328

■ 76.6793, 88.1405,
26.0688

■ 87.2112, 95.3769,
72.2073

■ 75.1109, 86.7726,
20.0926

■ 91.0473, 97.6827,
90.0301

■ 73.9013, 85.5543,
15.9871

95.0500, 100.0000,
108.9000

■ 73.0071, 84.4682,
13.5238

■ 72.3629, 83.4882,
12.3584

■ 72.3166, 83.4133,
12.2889

Harmonies

Analogous

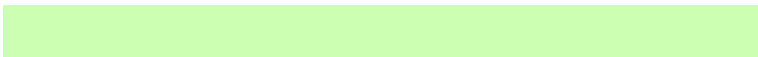
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.1881, 91.3779, 44.9096



81.0321, 91.3779, 44.3772



70.5420, 91.3779, 55.7109

Triad

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



81.0321, 91.3779, 44.3772



69.7902, 91.3779, 158.3164



113.4582, 91.3779, 121.3721

Complementary

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



81.0321, 91.3779, 44.3772



44.3123, 39.6773, 99.9307

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.



105.5001, 91.3779, 161.7233



81.0321, 91.3779, 44.3772



79.9070, 91.3779, 186.4643

Square

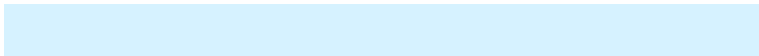
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0321, 91.3779, 44.3772



64.5083, 91.3779, 117.5424



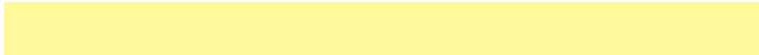
92.9440, 91.3779, 187.8487



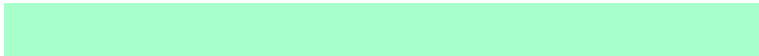
113.8376, 91.3779, 83.3964

Rectangle

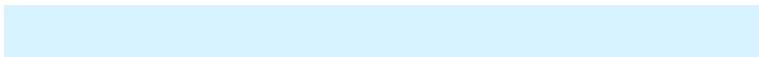
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.0321, 91.3779, 44.3772



66.1005, 91.3779, 70.6388



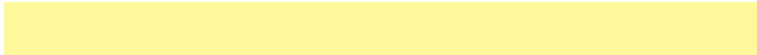
92.9440, 91.3779, 187.8487



111.5469, 91.3779, 135.3013

Sweetspot

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



81.0343, 91.3821, 44.3791



89.9266, 97.0189, 84.7927



59.4540, 47.3005, 40.0248



19.1385, 20.7007, 17.6391



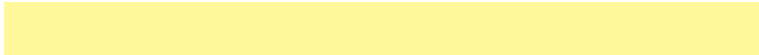
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

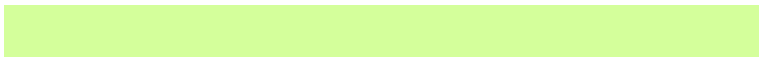
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0343, 91.3821, 44.3791



79.1348, 90.0356, 36.1848



68.7323, 87.8344, 44.3427



19.4625, 20.8932, 19.1513



37.8271, 43.6655, 6.4346



3.7103, 4.3059, 0.6356

Inverse Universe

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



44.3123, 39.6773, 99.9307



37.7885, 31.8287, 98.7596



53.1489, 42.7149, 100.0513



17.0904, 17.5524, 22.7371



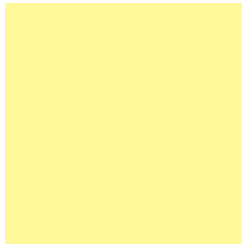
9.5566, 4.0227, 49.7074



0.9598, 0.4503, 4.8496

Previews

White Background



This preview shows how the XYZ color 81.0321, 91.3779, 44.3772 looks on a white background.

Color Contrast Check

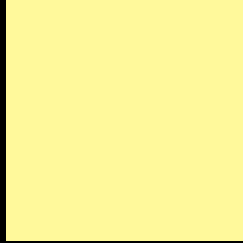
Large Text (above 18pt) WCAG AA × Fail

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 81.0321, 91.3779, 44.3772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

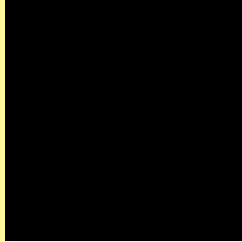
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.0321, 91.3779, 44.3772

Background



This preview shows how black text looks on a background with the XYZ color 81.0321, 91.3779, 44.3772.

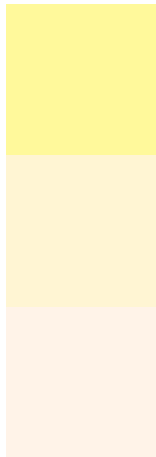


This preview shows how white text looks on a background with the XYZ color 81.0321, 91.3779,

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

81.0321, 91.3779, 44.3772

Protanopia

85.6503, 91.2680, 74.7302

Deuteranopia

87.8561, 91.1874, 89.3143



Tritanopia

89.9506, 91.0727, 103.2804

Trichromacy



Original Color

81.0321, 91.3779, 44.3772



Protanomaly

83.5997, 90.9331, 62.4359



Deuteranomaly

84.7915, 90.9244, 70.2079



Tritanomaly

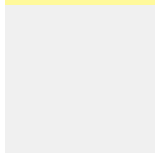
85.8564, 90.8677, 77.3041

Monochromacy



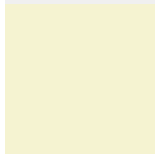
Original Color

81.0321, 91.3779, 44.3772



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

81.2154, 88.1171, 73.0494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.0321, 91.3779, 44.3772 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 155) }
```

Border

The CSS property to change the border of an element to XYZ 81.0321, 91.3779, 44.3772 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, 155) }
```


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

```
.border{ border-color:rgb(255, 249, 155) }
```

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, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 81.0321, 91.3779, 44.3772 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, 155) }
```

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

```
.background{ background-color: rgb(255,  
249, 155) }
```

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