

# Converting Colors

XYZ(79.0311, 91.8036, 44.9330)

Have a look what the booklet for  
XYZ(79.0311, 91.8036, 44.9330)  
contains.

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# Color

**XYZ(79.1689, 91.7953,  
44.9981)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FC9C
RGB	247, 252, 156
RGB Percent	97%, 99%, 61%
CMY	0.0314, 0.0117, 0.3882
CMYK	0.02, 0.00, 0.38, 0.01
HSL	63°, 94%, 80%
HSV	63°, 38%, 99%
XYZ	79.1689, 91.7953, 44.9981
YIQ	239.5610, 27.8360, -30.9160

# Conversions

## Conversions Part 2

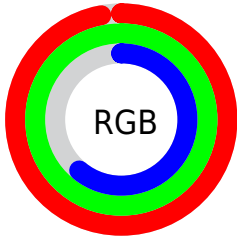
Format	Color
<a href="#">RYB</a>	<a href="#">156, 252, 161</a>
Decimal	<a href="#">16252060</a>
<a href="#">CIELab</a>	<a href="#">96.74, -15.49, 45.40</a>
<a href="#">CIELCh</a>	<a href="#">97, 47.970, 108.837</a>
<a href="#">Yxy</a>	<a href="#">91.7953, 0.3666, 0.4251</a>
Android (android.graphics.Color)	<a href="#">4294442140</a> ( <a href="#">0xFFFF7FC9C</a> )
<a href="#">YUV</a>	<a href="#">239.5610, -41.1956, 6.5240</a>
<a href="#">Hunter-Lab</a>	<a href="#">95.8099, -20.1705, 39.2207</a>

# Details

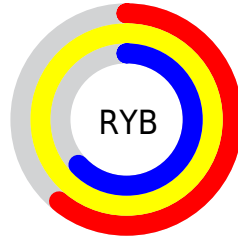
The XYZ color **79.1689, 91.7953, 44.9981** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.1605, 38.3846, 97.1824**, and the grayscale version is **82.7797, 87.0907, 94.8418**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **43.1744, 51.2779, 20.4541** is the 20% darker color. If you saturate the color by 10%, you get **76.7916, 90.7943, 34.8802**, and if you desaturate by 10%, it is **81.9967, 92.9834, 57.4515**.

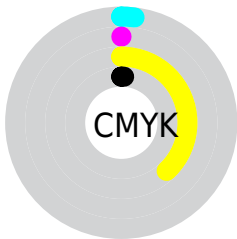
# Distribution



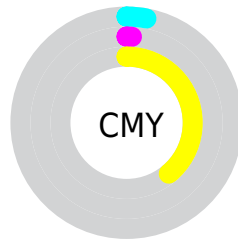
- Red (97%)
- Green (99%)
- Blue (61%)



- Red (61%)
- Yellow (99%)
- Blue (63%)



- Cyan (2%)
- Magenta (0%)
- Yellow (38%)
- Black (1%)




- Cyan (3%)
- Magenta (1%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.1689, 91.7953, 44.9981 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 79.1689, 91.7953, 44.9981 by changing the saturation by 10% instead.





 79.1689, 91.7953,  
44.9981


 79.1689, 91.7953,  
44.9981


480.9068,  
533.8537, 382.9258

 59.3408, 69.4706,  
31.1130


 131.1533,  
149.8297, 84.0360

 43.1349, 51.0951,  
20.4257


 164.0403,  
186.3081, 110.0258

 30.1860, 36.2843,  
12.5177


202.0109,  
228.2733, 140.8877

 20.1286, 24.6538,  
6.9705

245.4306,  
276.1096, 177.0401

 12.5973, 15.8193,  
3.3655

294.6647,  
330.2014, 218.9015

 7.2269, 9.3964,  
1.2842

350.0785,

 3.6520, 5.0006,

390.9331, 266.8906

0.0488

412.0375,  
458.6891, 321.4258

■ 1.5072, 2.2476,  
0.0000

■ 0.3307, 0.7458,  
0.0000

■ 79.1689, 91.7953,  
44.9981

■ 79.1689, 91.7953,  
44.9981

■ 76.7916, 90.7943,  
34.8802

■ 81.9967, 92.9834,  
57.4515

■ 74.8305, 89.9569,  
26.9467

■ 85.2935, 94.3562,  
72.3674

■ 73.2571, 89.2749,  
21.0380

■ 89.0848, 95.9273,  
89.8704

■ 72.0366, 88.7345,  
16.9704

■ 93.1004, 97.5884,  
108.5373

■ 71.1277, 88.3190,  
14.5267

■ 93.5787, 97.8349,  
108.5596

■ 70.4740, 88.0061,  
13.4103

■ 94.0603, 98.0832,  
108.5822

■ 70.3632, 87.9520,  
13.2679

■ 94.1025, 98.1049,  
108.5842

# Harmonies

## Analogous

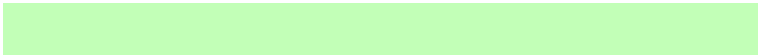
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.3471, 91.7953, 43.5089



79.1689, 91.7953, 44.9981



69.2061, 91.7953, 58.7263

# Triad

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



79.1689, 91.7953, 44.9981



71.3229, 91.7953, 166.6516



115.1328, 91.7953, 114.9707

# Complementary

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



79.1689, 91.7953, 44.9981



44.1605, 38.3846, 97.1824

# 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.



108.1826, 91.7953, 156.9961



79.1689, 91.7953, 44.9981



82.3415, 91.7953, 191.5460

# Square

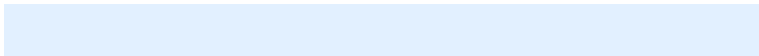
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.1689, 91.7953, 44.9981



65.0077, 91.7953, 125.7974



95.8603, 91.7953, 187.6179



114.0592, 91.7953, 77.9095

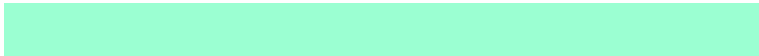


# Rectangle

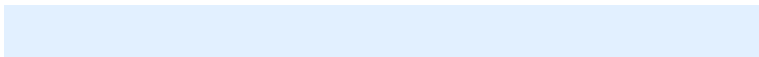
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.1689, 91.7953, 44.9981



65.3028, 91.7953, 75.5439



95.8603, 91.7953, 187.6179



113.6310, 91.7953, 129.1154

# Sweetspot

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



79.1712, 91.7995, 45.0000



90.3221, 98.0469, 86.8013



58.8587, 48.5180, 37.7164



19.2174, 20.9384, 18.0459



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

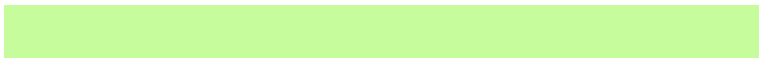
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.1712, 91.7995, 45.0000



79.3509, 93.4645, 37.7892



64.4209, 84.1954, 44.3097



18.6327, 20.1419, 18.3681



36.6910, 45.8332, 6.9129



3.4248, 4.2587, 0.6415



# Inverse Universe

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



44.1605, 38.3846, 97.1824



38.5652, 31.2238, 98.6019



55.7000, 44.3334, 97.7224



16.3668, 16.6862, 21.7434



9.2760, 3.7246, 48.2036

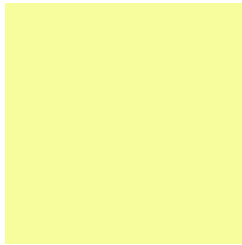


0.8877, 0.3597, 4.4658



# Previews

## White Background



This preview shows how the XYZ color 79.1689, 91.7953, 44.9981 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

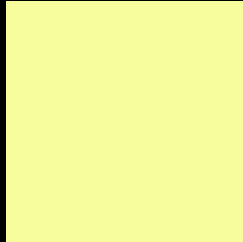
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.1689, 91.7953, 44.9981 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

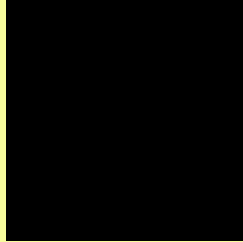
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 79.1689, 91.7953, 44.9981

## Background



This preview shows how black text looks on a background with the XYZ color 79.1689, 91.7953, 44.9981.



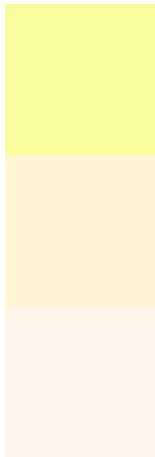
This preview shows how white text looks on a background with the XYZ color 79.1689, 91.7953,



# 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

79.1689, 91.7953, 44.9981

### Protanopia

85.9026, 91.3689, 76.0592

### Deuteranopia

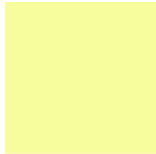
88.2987, 91.8446, 90.1647



## Tritanopia

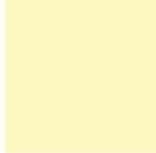
90.7453, 91.3906, 107.4651

# Trichromacy



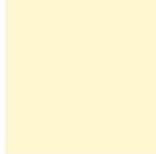
## Original Color

79.1689, 91.7953, 44.9981



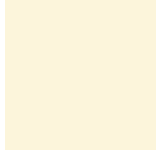
## Protanomaly

83.2267, 91.6360, 63.1702



## Deuteranomaly

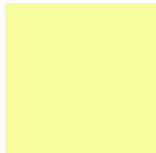
84.4251, 91.6248, 70.9933



## Tritanomaly

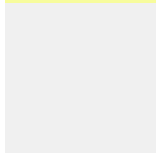
85.5835, 91.1147, 80.0940

# Monochromacy



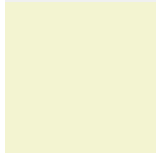
## Original Color

79.1689, 91.7953, 44.9981



## Achromatopsia

82.8234, 87.1367, 94.8919



## Achromatomaly

80.8215, 88.3595, 73.1169

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.1689, 91.7953, 44.9981 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(247, 252, 156)` looks like.

```
.text, #text, p{  
    color:rgb(247, 252, 156)  
}
```

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(247, 252, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 252, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 79.1689, 91.7953, 44.9981 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(247, 252, 156) }
```



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

```
.border{ border-color:rgb(247, 252, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 252, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 252, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 252, 156);  
box-shadow:4px 4px 4px 4px rgb(247, 252,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.1689, 91.7953, 44.9981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 252, 156) }
```

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

```
.background{ background-color: rgb(247,  
252, 156) }
```

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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