

Converting Colors

XYZ(81.3682, 90.0078, 50.4578)

Have a look what the booklet for
XYZ(81.3682, 90.0078, 50.4578)
contains.

XYZ(81.3572, 90.0361, 50.6268)	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(81.3572, 90.0361,
50.6268)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6A9
RGB	255, 246, 169
RGB Percent	100%, 96%, 66%
CMY	0.0000, 0.0353, 0.3372
CMYK	0.00, 0.04, 0.34, 0.00
HSL	54°, 100%, 83%
HSV	54°, 34%, 100%
XYZ	81.3572, 90.0361, 50.6268
YIQ	239.9130, 30.0810, -22.0390

Conversions

Conversions Part 2

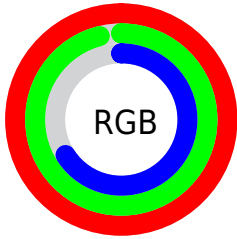
Format	Color
RYB	179, 255, 169
Decimal	16774825
CIELab	96.01, -8.07, 38.18
CIElCh	96, 39.025, 101.933
Yxy	90.0361, 0.3664, 0.4055
Android (android.graphics.Color)	4294964905 (0xFFFFF6A9)
YUV	239.9130, -34.9601, 13.2313
Hunter-Lab	94.8874, -13.0055, 34.7872

Details

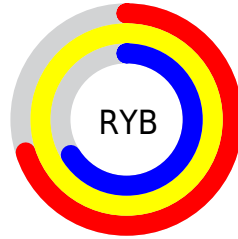
The XYZ color **81.3572, 90.0361, 50.6268** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.3323, 47.4944, 101.1223**, and the grayscale version is **83.0068, 87.3296, 95.1019**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **44.5918, 49.9582, 23.8157** is the 20% darker color. If you saturate the color by 10%, you get **78.3885, 87.5632, 38.9565**, and if you desaturate by 10%, it is **84.8089, 92.7272, 64.7635**.

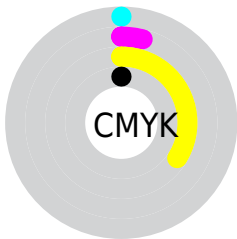
Distribution



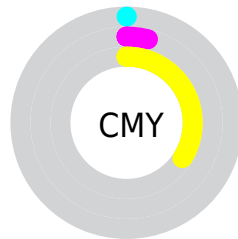
- Red (100%)
- Green (96%)
- Blue (66%)



- Red (70%)
- Yellow (100%)
- Blue (66%)



- Cyan (0%)
- Magenta (4%)
- Yellow (34%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.3572, 90.0361, 50.6268 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 81.3572, 90.0361, 50.6268 by changing the saturation by 10% instead.

 81.3572, 90.0361,
50.6268

 81.3572, 90.0361,
50.6268


488.1622,
528.1483, 405.9172

 61.1481, 68.0106,
35.5370


 134.2127,
147.3885, 92.5087

 44.5977, 49.9063,
23.7900


167.5899,
183.4842, 120.1380

 31.3406, 35.3390,
14.9671

206.0872,
225.0388, 152.7841

 21.0114, 23.9241,
8.6500

250.0699,
272.4366, 190.8657

 13.2449, 15.2773,
4.4199

299.9034,
326.0621, 234.8012

 7.6755, 9.0143,
1.8584

355.9530,

 3.9381, 4.7505,

386.2996, 285.0093

0.4661

418.5842,
453.5335, 341.9084

■ 1.6672, 2.1016,
0.0000

■ 0.4356, 0.6655,
0.0000

■ 81.3572, 90.0361,
50.6268

■ 81.3572, 90.0361,
50.6268

■ 78.3885, 87.5632,
38.9565

■ 84.8089, 92.7272,
64.7635

■ 75.8688, 85.2853,
29.6033

■ 88.7621, 95.6344,
81.4928

■ 73.7702, 83.1943,
22.4107

■ 93.2422, 98.7712,
100.9392

■ 72.0588, 81.2766,
17.2006

95.0500, 100.0000,
108.9000

■ 70.6954, 79.5164,
13.7662

■ 69.6320, 77.8944,
11.8554

■ 69.0750, 76.9300,
11.2083

Harmonies

Analogous

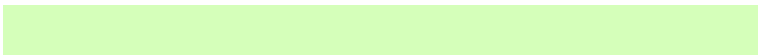
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1747, 90.0361, 51.6936



81.3572, 90.0361, 50.6268



72.4450, 90.0361, 60.1360

Triad

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



81.3572, 90.0361, 50.6268



71.0490, 90.0361, 143.3529



106.8593, 90.0361, 117.6437

Complementary

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



81.3572, 90.0361, 50.6268



50.3323, 47.4944, 101.1223

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.



100.2063, 90.0361, 149.2241



81.3572, 90.0361, 50.6268



79.3011, 90.0361, 166.0824

Square

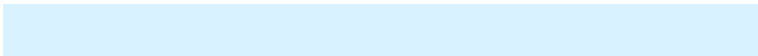
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.3572, 90.0361, 50.6268



66.8372, 90.0361, 110.8429



89.9394, 90.0361, 168.4323



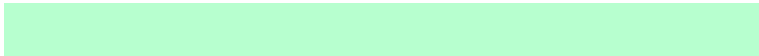
107.5271, 90.0361, 86.2520

Rectangle

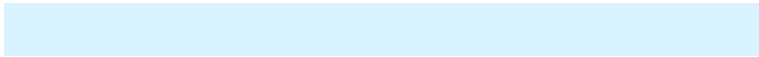
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.3572, 90.0361, 50.6268



68.5408, 90.0361, 72.6466



89.9394, 90.0361, 168.4323



105.2244, 90.0361, 128.7383

Sweetspot

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



81.3594, 90.0402, 50.6287



90.3679, 96.7754, 88.4119



63.5687, 52.8929, 49.5255



19.2109, 20.6210, 18.3554



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

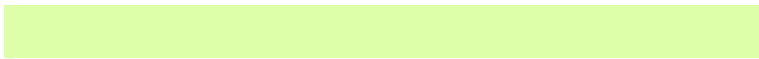
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.3594, 90.0402, 50.6287



79.4408, 88.4619, 43.0249



73.0563, 89.9197, 51.0430



19.3894, 20.7469, 19.1270



36.1589, 40.3290, 5.8785



3.5654, 4.0161, 0.5873

Inverse Universe

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



50.3323, 47.4944, 101.1223



44.4028, 40.4242, 100.0701



56.5869, 48.1489, 100.9190



17.1558, 17.6833, 22.7590



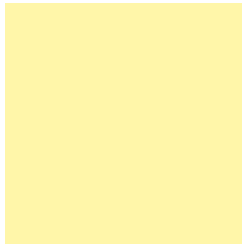
9.6817, 4.2729, 49.7491



0.9907, 0.5121, 4.8599

Previews

White Background



This preview shows how the XYZ color 81.3572, 90.0361, 50.6268 looks on a white background.

Color Contrast Check

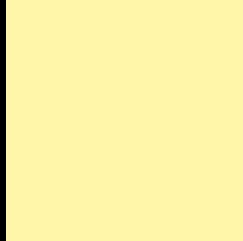
Large Text (above 18pt) WCAG AA × Fail

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 81.3572, 90.0361, 50.6268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

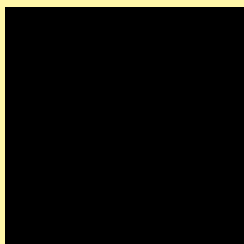
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.3572, 90.0361, 50.6268

Background



This preview shows how black text looks on a background with the XYZ color 81.3572, 90.0361, 50.6268.

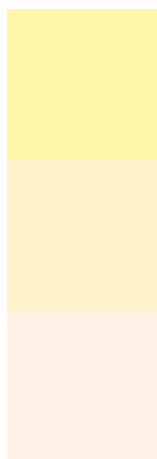


This preview shows how white text looks on a background with the XYZ color 81.3572, 90.0361,

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

81.3572, 90.0361, 50.6268

Protanopia

84.1897, 89.7208, 70.0073

Deuteranopia

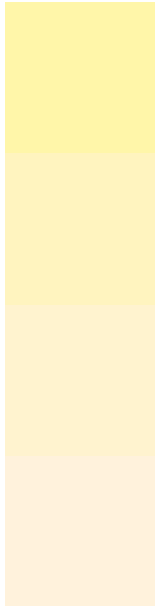
86.8382, 89.8277, 86.8904



Tritanopia

89.2054, 89.8326, 102.2603

Trichromacy



Original Color

81.3572, 90.0361, 50.6268

Protanomaly

82.9947, 89.7230, 62.2342

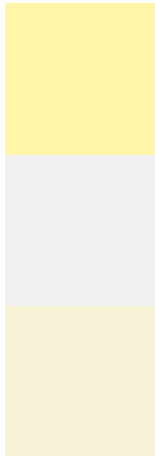
Deuteranomaly

84.5531, 89.8662, 71.9210

Tritanomaly

85.9104, 89.9316, 80.5407

Monochromacy



Original Color

81.3572, 90.0361, 50.6268

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.5459, 87.7718, 76.2620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.3572, 90.0361, 50.6268 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, 246, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 169)  
}
```

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, 246, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 169) }
```

Border

The CSS property to change the border of an element to XYZ 81.3572, 90.0361, 50.6268 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, 246, 169) }
```


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

```
.border{ border-color:rgb(255, 246, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 81.3572, 90.0361, 50.6268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 169) }
```

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

```
.background{ background-color: rgb(255,  
246, 169) }
```

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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