

Converting Colors

XYZ(82.2360, 91.6634, 51.3216)

Have a look what the booklet for
XYZ(82.2360, 91.6634, 51.3216)
contains.

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Color

**XYZ(82.3714, 91.9136,
51.4299)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF9AA
RGB	255, 249, 170
RGB Percent	100%, 98%, 67%
CMY	0.0000, 0.0235, 0.3333
CMYK	0.00, 0.02, 0.33, 0.00
HSL	56°, 100%, 83%
HSV	56°, 33%, 100%
XYZ	82.3714, 91.9136, 51.4299
YIQ	241.7880, 28.9350, -23.2970

Conversions

Conversions Part 2

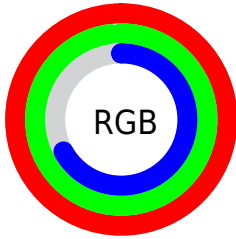
Format	Color
R_{YB}	176, 255, 170
Decimal	16775594
CIE _{Lab}	96.78, -9.44, 38.70
CIE _{LCh}	97, 39.834, 103.705
Yxy	91.9136, 0.3649, 0.4072
Android (android.graphics.Color)	4294965674 (0xFFFFF9AA)
YUV	241.7880, -35.3915, 11.5869
Hunter-Lab	95.8716, -14.4108, 35.3042

Details

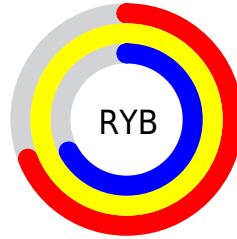
The XYZ color **82.3714, 91.9136, 51.4299** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.1527, 46.8155, 101.0007**, and the grayscale version is **84.4874, 88.8873, 96.7983**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **45.3068, 51.2946, 24.3425** is the 20% darker color. If you saturate the color by 10%, you get **79.6371, 89.9380, 39.7498**, and if you desaturate by 10%, it is **85.5834, 94.0952, 65.5796**.

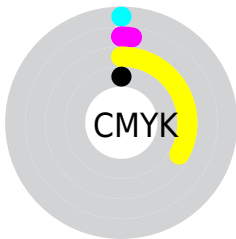
Distribution



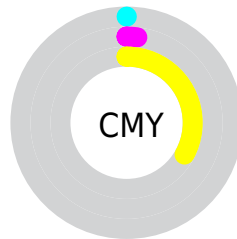
- Red (100%)
- Green (98%)
- Blue (67%)



- Red (69%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (2%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3714, 91.9136, 51.4299 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 82.3714, 91.9136, 51.4299 by changing the saturation by 10% instead.


 82.3714, 91.9136,
51.4299

 82.3714, 91.9136,
51.4299


491.5048,
534.2363, 409.1259

 61.9869, 69.5689,
36.1718

 135.6278,
149.9936, 93.7079

 45.2776, 51.1751,
24.2761

169.2304,
186.4977, 121.5649

 31.8784, 36.3480,
15.3245


207.9697,
228.4904, 154.4585

 21.4237, 24.7031,
8.8983

252.2112,
276.3561, 192.8074

 13.5483, 15.8560,
4.5790

302.3200,
330.4791, 237.0300

 7.8868, 9.4223,
1.9481

358.6617,

 4.0738, 5.0176,

391.2438, 287.5449

0.5231

421.6015,
459.0348, 344.7707

■ 1.7440, 2.2576,
0.0000

■ 0.4835, 0.7511,
0.0000

■ 82.3714, 91.9136,
51.4299

■ 82.3714, 91.9136,
51.4299

■ 79.6371, 89.9380,
39.7498

■ 85.5834, 94.0952,
65.5796

■ 77.3466, 88.1453,
30.3907

■ 89.2915, 96.4805,
82.3248

■ 75.4722, 86.5274,
23.1967

■ 93.5210, 99.0830,
101.7896

■ 73.9802, 85.0710,
17.9904

95.0500, 100.0000,
108.9000

■ 72.8317, 83.7603,
14.5667

■ 71.9792, 82.5764,
12.6756

■ 71.5296, 81.8393,
12.0265

Harmonies

Analogous

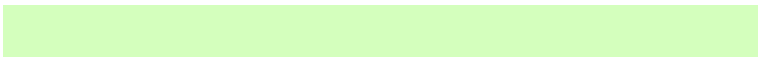
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5261, 91.9136, 51.8929



82.3714, 91.9136, 51.4299



73.3475, 91.9136, 61.8771

Triad

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



82.3714, 91.9136, 51.4299



72.7384, 91.9136, 148.8710



109.6367, 91.9136, 118.3454

Complementary

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



82.3714, 91.9136, 51.4299



50.1527, 46.8155, 101.0007

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.



103.0548, 91.9136, 151.4472



82.3714, 91.9136, 51.4299



81.4732, 91.9136, 171.4768

Square

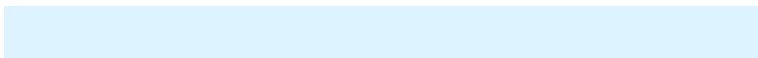
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3714, 91.9136, 51.4299



68.1146, 91.9136, 115.3681



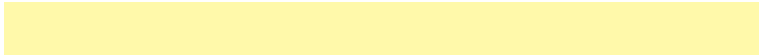
92.5484, 91.9136, 172.5091



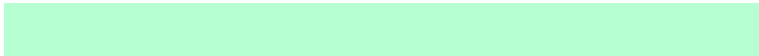
109.9292, 91.9136, 86.2028

Rectangle

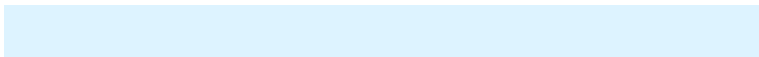
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3714, 91.9136, 51.4299



69.4882, 91.9136, 75.2310



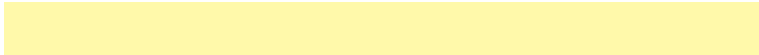
92.5484, 91.9136, 172.5091



108.0626, 91.9136, 129.8702

Sweetspot

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



82.3736, 91.9177, 51.4318



90.6418, 97.3232, 88.5032



63.5596, 53.1882, 48.5561



19.2777, 20.7545, 18.3777



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

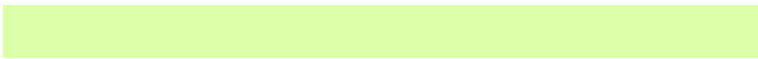
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3736, 91.9177, 51.4318



80.4980, 90.5764, 43.3773



72.4055, 89.5732, 51.5047



19.4451, 20.8584, 19.1455



37.4223, 42.8558, 6.2996



3.6752, 4.2358, 0.6239

Inverse Universe

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



50.1527, 46.8155, 101.0007



43.7911, 39.2007, 99.8662



57.7176, 49.0091, 101.0254



17.1059, 17.5833, 22.7423



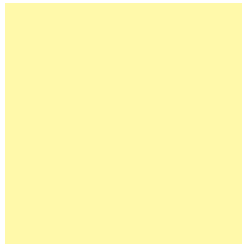
9.5817, 4.0730, 49.7157



0.9671, 0.4649, 4.8520

Previews

White Background



This preview shows how the XYZ color 82.3714, 91.9136, 51.4299 looks on a white background.

Color Contrast Check

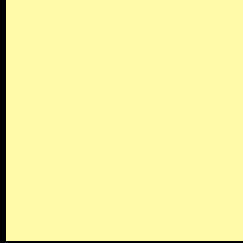
Large Text (above 18pt) WCAG AA × Fail

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 82.3714, 91.9136, 51.4299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

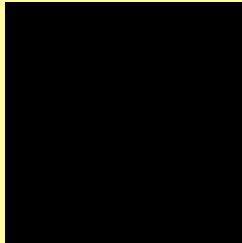
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.3714, 91.9136, 51.4299

Background



This preview shows how black text looks on a background with the XYZ color 82.3714, 91.9136, 51.4299.



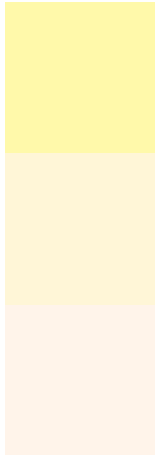
This preview shows how white text looks on a background with the XYZ color 82.3714, 91.9136,

51.4299.

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

82.3714, 91.9136, 51.4299

Protanopia

86.4615, 92.0778, 77.5058

Deuteranopia

88.4420, 91.9019, 90.9193



Tritanopia

90.4047, 91.7293, 104.2075

Trichromacy



Original Color

82.3714, 91.9136, 51.4299



Protanomaly

84.8096, 91.9050, 67.3023



Deuteranomaly

85.9536, 91.8747, 74.8314



Tritanomaly

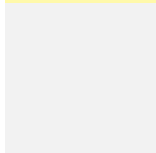
87.0772, 91.8387, 82.2444

Monochromacy



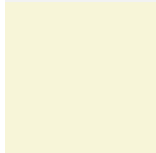
Original Color

82.3714, 91.9136, 51.4299



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

83.4048, 90.0368, 77.9487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.3714, 91.9136, 51.4299 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 170) }
```

Border

The CSS property to change the border of an element to XYZ 82.3714, 91.9136, 51.4299 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, 170) }
```


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

```
.border{ border-color:rgb(255, 249, 170) }
```

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, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 82.3714, 91.9136, 51.4299 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, 170) }
```

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

```
.background{ background-color: rgb(255,  
249, 170) }
```

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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