

Converting Colors

XYZ(101.1570, 131.1204,
58.7571)

Have a look what the booklet for
XYZ(101.1570, 131.1204, 58.7571)
contains.

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Color

**XYZ(83.3513, 95.1940,
53.0109)**

Conversions

Conversions Part 1

Format	Color
Hex	FCFFAC
RGB	252, 255, 172
RGB Percent	99%, 100%, 67%
CMY	0.0118, 0.0000, 0.3255
CMYK	0.01, 0.00, 0.33, 0.00
HSL	62°, 100%, 84%
HSV	62°, 33%, 100%
XYZ	83.3513, 95.1940, 53.0109
YIQ	244.6410, 24.8550, -26.4490

Conversions

Conversions Part 2

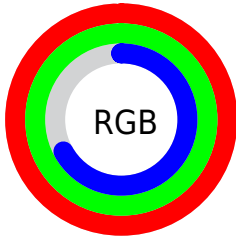
Format	Color
RYB	172, 255, 175
Decimal	16580524
CIELab	98.11, -13.27, 39.41
CIELCh	98, 41.581, 108.612
Yxy	95.1940, 0.3600, 0.4111
Android (android.graphics.Color)	4294770604 (0xFFFCFFAC)
YUV	244.6410, -35.8120, 6.4538
Hunter-Lab	97.5674, -18.2514, 36.0834

Details

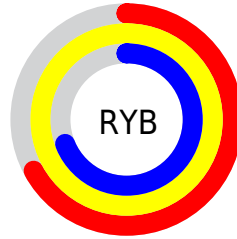
The XYZ color **83.3513, 95.1940, 53.0109** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.4827, 45.8402, 100.7951**, and the grayscale version is **86.7662, 91.2848, 99.4091**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **45.7720, 53.1894, 25.3069** is the 20% darker color. If you saturate the color by 10%, you get **80.7995, 94.1348, 41.3108**, and if you desaturate by 10%, it is **86.3753, 96.4423, 67.1885**.

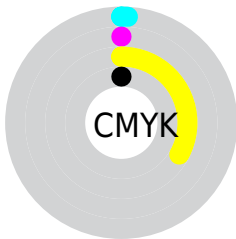
Distribution



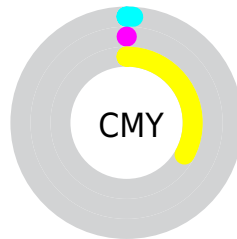
- Red (99%)
- Green (100%)
- Blue (67%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.3513, 95.1940, 53.0109 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 83.3513, 95.1940, 53.0109 by changing the saturation by 10% instead.

 83.3513, 95.1940,
53.0109

 83.3513, 95.1940,
53.0109

494.7228,
544.7859, 415.3944

 62.7979, 72.2965,
37.4237


 136.9933,
154.5326, 96.0621

 45.9358, 53.4009,
25.2373


170.8127,
191.7424, 124.3632

 32.3995, 38.1229,
16.0333


209.7847,
234.4918, 157.7393

 21.8239, 26.0781,
9.3931

254.2748,
283.1652, 196.6090

 13.8434, 16.8821,
4.8982

304.6483,
338.1468, 241.3908

 8.0928, 10.1504,
2.1300

361.2706,

 4.2067, 5.4988,

399.8212, 292.5033

0.6335

424.5070,
468.5728, 350.3650

■ 1.8197, 2.5428,
0.0000

■ 0.5295, 0.8980,
0.0000

■ 83.3513, 95.1940,
53.0109

■ 83.3513, 95.1940,
53.0109

■ 80.7995, 94.1348,
41.3108

■ 86.3753, 96.4423,
67.1885

■ 78.6920, 93.2536,
31.9422

■ 89.8954, 97.8892,
83.9703

■ 76.9994, 92.5384,
24.7500

■ 93.9350, 99.5440,
103.4793

■ 75.6883, 91.9761,
19.5587

■ 95.0500, 100.0000,
108.9000

■ 74.7203, 91.5512,
16.1657

■ 74.0489, 91.2450,
14.3255

■ 73.6902, 91.0737,
13.6951

Harmonies

Analogous

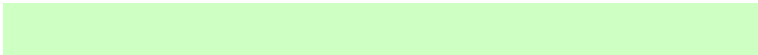
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.0860, 95.1940, 51.6521



83.3513, 95.1940, 53.0109



74.3322, 95.1940, 65.9890

Triad

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



83.3513, 95.1940, 53.0109



76.1399, 95.1940, 161.1854



114.8896, 95.1940, 117.1753

Complementary

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



83.3513, 95.1940, 53.0109



50.4827, 45.8402, 100.7951

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.



108.8097, 95.1940, 153.4537



83.3513, 95.1940, 53.0109



86.0233, 95.1940, 182.3430

Square

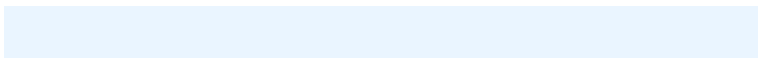
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3513, 95.1940, 53.0109



70.4282, 95.1940, 126.0708



98.0020, 95.1940, 179.2378



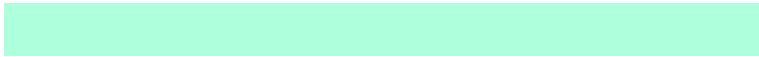
114.0144, 95.1940, 84.0589

Rectangle

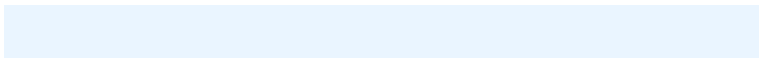
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3513, 95.1940, 53.0109



70.7504, 95.1940, 81.4837



98.0020, 95.1940, 179.2378



113.5714, 95.1940, 129.5108

Sweetspot

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



83.3516, 95.1942, 53.0122



90.8745, 98.2907, 88.6777



63.9717, 54.8088, 46.2385



19.3344, 20.9905, 18.4202



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

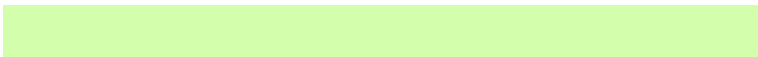
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3516, 95.1942, 53.0122



81.6527, 94.4897, 45.1879



69.9947, 88.3084, 52.3871



19.4925, 21.0553, 19.1811



38.5336, 47.6029, 7.1573



3.7714, 4.6450, 0.6978

Inverse Universe

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



50.4827, 45.8402, 100.7951



44.1898, 38.2319, 99.6582



61.2011, 51.3658, 101.2967



17.0637, 17.4090, 22.7109



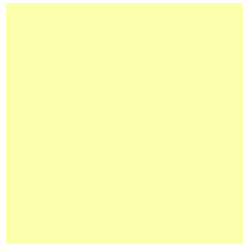
9.5180, 3.8172, 49.6697



0.9472, 0.3822, 4.8371

Previews

White Background



This preview shows how the XYZ color 83.3513, 95.1940, 53.0109 looks on a white background.

Color Contrast Check

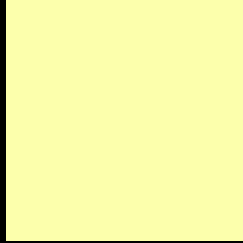
Large Text (above 18pt) WCAG AA × Fail

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 83.3513, 95.1940, 53.0109 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

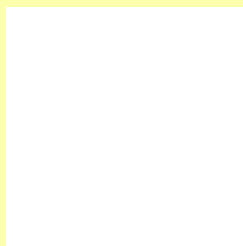
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.3513, 95.1940, 53.0109

Background



This preview shows how black text looks on a background with the XYZ color 83.3513, 95.1940, 53.0109.



This preview shows how white text looks on a background with the XYZ color 83.3513, 95.1940,

Color Blindness Simulation

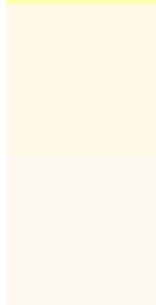
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

83.3513, 95.1940, 53.0109



Protanopia

89.6812, 94.8376, 89.9227

Deuteranopia

90.9851, 94.8659, 98.3095

Tritanopia

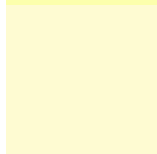
92.5508, 95.0015, 108.0669

Trichromacy



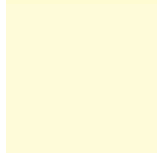
Original Color

83.3513, 95.1940, 53.0109



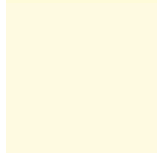
Protanomaly

87.0031, 94.7183, 74.6697



Deuteranomaly

87.8946, 95.0749, 79.3644



Tritanomaly

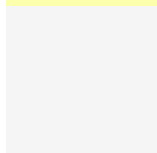
88.6493, 94.8783, 84.8752

Monochromacy



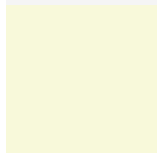
Original Color

83.3513, 95.1940, 53.0109



Achromatopsia

86.7900, 91.3099, 99.4364



Achromatomaly

85.2420, 92.7698, 79.7433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3513, 95.1940, 53.0109 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(252, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 172)  
}
```

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(252, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 172) }
```

Border

The CSS property to change the border of an element to XYZ 83.3513, 95.1940, 53.0109 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(252, 255, 172) }
```


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

```
.border{ border-color:rgb(252, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3513, 95.1940, 53.0109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 172) }
```

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

```
.background{ background-color: rgb(252,  
255, 172) }
```

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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