

Converting Colors

XYZ(82.2383, 91.3943, 52.1661)

Have a look what the booklet for
XYZ(82.2383, 91.3943, 52.1661)
contains.

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Color

**XYZ(82.2538, 91.3734,
52.3313)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF8AC
RGB	255, 248, 172
RGB Percent	100%, 97%, 67%
CMY	0.0000, 0.0274, 0.3255
CMYK	0.00, 0.03, 0.33, 0.00
HSL	55°, 100%, 84%
HSV	55°, 33%, 100%
XYZ	82.2538, 91.3734, 52.3313
YIQ	241.4290, 28.5680, -22.1520

Conversions

Conversions Part 2

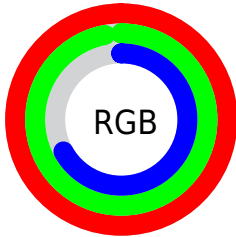
Format	Color
RYB	180, 255, 172
Decimal	16775340
CIELab	96.56, -8.71, 37.41
CIELCh	97, 38.414, 103.106
Yxy	91.3734, 0.3640, 0.4044
Android (android.graphics.Color)	4294965420 (0xFFFFF8AC)
YUV	241.4290, -34.2285, 11.9018
Hunter-Lab	95.5894, -13.6840, 34.4538

Details

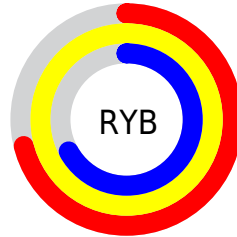
The XYZ color **82.2538, 91.3734, 52.3313** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **51.1830, 48.2294, 101.2193**, and the grayscale version is **84.1948, 88.5795, 96.4631**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **45.2054, 50.9015, 24.8952** is the 20% darker color. If you saturate the color by 10%, you get **79.3801, 89.1762, 40.4284**, and if you desaturate by 10%, it is **85.6096, 93.7820, 66.7153**.

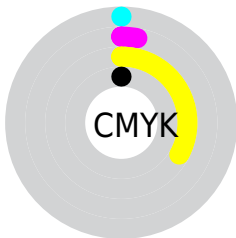
Distribution



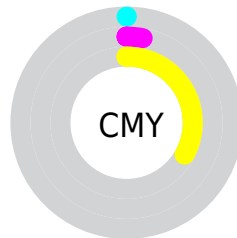
- Red (100%)
- Green (97%)
- Blue (67%)



- Red (71%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (3%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.2538, 91.3734, 52.3313 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 82.2538, 91.3734, 52.3313 by changing the saturation by 10% instead.


 82.2538, 91.3734,
52.3313

 82.2538, 91.3734,
52.3313


491.1179,
532.4884, 412.7076

 61.8896, 69.1203,
36.8852


 135.4638,
149.2446, 95.0512

 45.1987, 50.8097,
24.8235


169.0403,
185.6316, 123.1620

 31.8159, 36.0572,
15.7278


207.7517,
227.4986, 156.3315

 21.3758, 24.4784,
9.1795

251.9632,
275.2300, 194.9782

 13.5130, 15.6888,
4.7600

302.0402,
329.2104, 239.5206

 7.8622, 9.3042,
2.0509

358.3481,

 4.0579, 4.9402,

389.8239, 290.3773

0.5863

421.2522,
457.4552, 347.9667

■ 1.7350, 2.2122,
0.0000

■ 0.4780, 0.7266,
0.0000

■ 82.2538, 91.3734,
52.3313

■ 82.2538, 91.3734,
52.3313

■ 79.3801, 89.1762,
40.4284

■ 85.6096, 93.7820,
66.7153

■ 76.9546, 87.1671,
30.8589

■ 89.4655, 96.3997,
83.7054

■ 74.9500, 85.3385,
23.4683

■ 93.8469, 99.2397,
103.4251

■ 73.3329, 83.6768,
18.0809

95.0500, 100.0000,
108.9000

■ 72.0647, 82.1667,
14.4942

■ 71.0988, 80.7895,
12.4628

■ 70.5246, 79.8291,
11.6915

Harmonies

Analogous

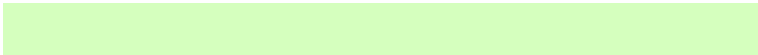
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.9813, 91.3734, 52.9927



82.2538, 91.3734, 52.3313



73.5005, 91.3734, 62.2912

Triad

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



82.2538, 91.3734, 52.3313



72.6411, 91.3734, 145.5664



108.1183, 91.3734, 117.6647

Complementary

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



82.2538, 91.3734, 52.3313



51.1830, 48.2294, 101.2193

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.



101.7201, 91.3734, 149.1548



82.2538, 91.3734, 52.3313



80.9899, 91.3734, 167.3988

Square

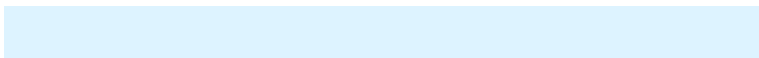
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.2538, 91.3734, 52.3313



68.2664, 91.3734, 113.4959



91.6095, 91.3734, 168.8328



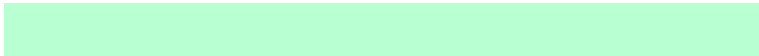
108.5273, 91.3734, 86.6867

Rectangle

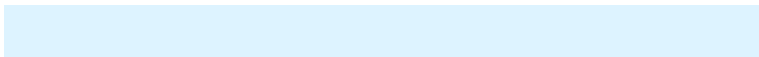
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.2538, 91.3734, 52.3313



69.7193, 91.3734, 75.0882



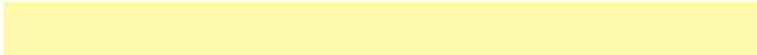
91.6095, 91.3734, 168.8328



106.5741, 91.3734, 128.6773

Sweetspot

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



82.2561, 91.3775, 52.3332



90.5312, 97.1019, 88.4663



64.2620, 54.0736, 50.3919



19.2507, 20.7005, 18.3687



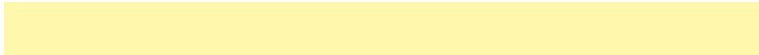
0.0000, 0.0000, 0.0000



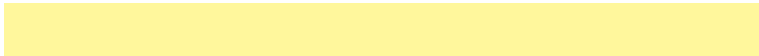
20.3446, 21.4041, 23.3091

Same Dimension

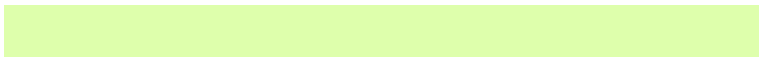
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2561, 91.3775, 52.3332



80.3475, 89.9346, 44.3774



73.2699, 89.9968, 52.5403



19.4226, 20.8134, 19.1380



36.9051, 41.8214, 6.1272



3.6303, 4.1460, 0.6089

Inverse Universe

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



51.1830, 48.2294, 101.2193



44.9362, 40.7689, 100.1085



58.0354, 49.7338, 101.1485



17.1260, 17.6236, 22.7490



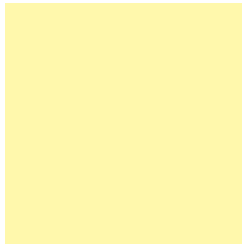
9.6185, 4.1466, 49.7280



0.9766, 0.4839, 4.8552

Previews

White Background



This preview shows how the XYZ color 82.2538, 91.3734, 52.3313 looks on a white background.

Color Contrast Check

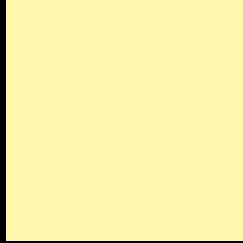
Large Text (above 18pt) WCAG AA × Fail

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 82.2538, 91.3734, 52.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

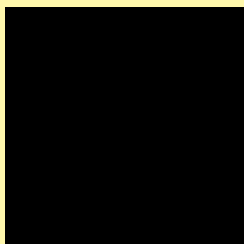
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.2538, 91.3734, 52.3313

Background



This preview shows how black text looks on a background with the XYZ color 82.2538, 91.3734, 52.3313.

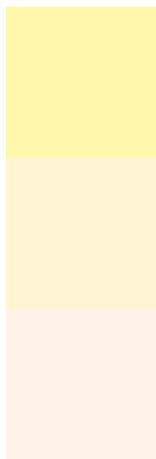


This preview shows how white text looks on a background with the XYZ color 82.2538, 91.3734,

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

82.2538, 91.3734, 52.3313

Protanopia

85.7761, 91.3183, 75.3927

Deuteranopia

87.9986, 91.2444, 90.0647



Tritanopia

89.9506, 91.0727, 103.2804

Trichromacy



Original Color

82.2538, 91.3734, 52.3313



Protanomaly

84.2738, 91.2028, 65.9855



Deuteranomaly

85.6503, 91.2680, 74.7302



Tritanomaly

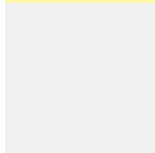
86.7755, 91.2353, 82.1439

Monochromacy



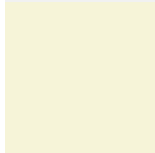
Original Color

82.2538, 91.3734, 52.3313



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

82.7514, 89.2521, 77.8317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.2538, 91.3734, 52.3313 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, 248, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 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(255, 248, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 172) }
```

Border

The CSS property to change the border of an element to XYZ 82.2538, 91.3734, 52.3313 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, 248, 172) }
```


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

```
.border{ border-color:rgb(255, 248, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 82.2538, 91.3734, 52.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 172) }
```

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

```
.background{ background-color: rgb(255,  
248, 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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