

Converting Colors

XYZ(95.8984, 100.0000,
53.2765)

Have a look what the booklet for
XYZ(95.8984, 100.0000, 53.2765)
contains.

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Color

**XYZ(83.1836, 93.2329,
52.6412)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFBAC
RGB	255, 251, 172
RGB Percent	100%, 98%, 67%
CMY	0.0000, 0.0157, 0.3255
CMYK	0.00, 0.02, 0.33, 0.00
HSL	57°, 100%, 84%
HSV	57°, 33%, 100%
XYZ	83.1836, 93.2329, 52.6412
YIQ	243.1900, 27.7430, -23.7210

Conversions

Conversions Part 2

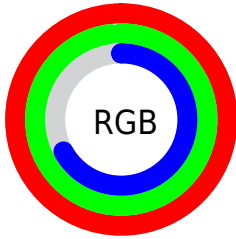
Format	Color
RYB	176, 255, 172
Decimal	16776108
CIELab	97.32, -10.19, 38.41
CIELCh	97, 39.741, 104.858
Yxy	93.2329, 0.3632, 0.4070
Android (android.graphics.Color)	4294966188 (0xFFFFFBAC)
YUV	243.1900, -35.0967, 10.3574
Hunter-Lab	96.5572, -15.1981, 35.2662

Details

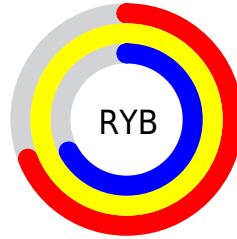
The XYZ color **83.1836, 93.2329, 52.6412** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.5883, 47.0400, 101.0211**, and the grayscale version is **85.5999, 90.0578, 98.0729**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **45.8708, 52.2324, 25.1170** is the 20% darker color. If you saturate the color by 10%, you get **80.5846, 91.5853, 40.8300**, and if you desaturate by 10%, it is **86.2595, 95.0818, 66.9319**.

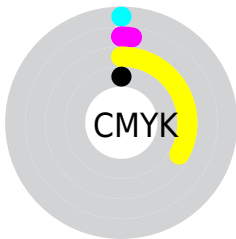
Distribution



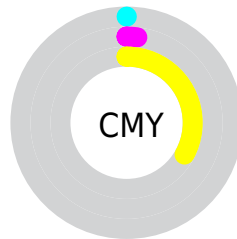
- Red (100%)
- Green (98%)
- Blue (67%)



- 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 83.1836, 93.2329, 52.6412 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 83.1836, 93.2329, 52.6412 by changing the saturation by 10% instead.


 83.1836, 93.2329,
52.6412

 83.1836, 93.2329,
52.6412


494.1729,
538.4922, 413.9342

 62.6591, 70.6651,
37.1307


 136.7598,
151.8210, 95.5124

 45.8230, 52.0689,
25.0121


170.5421,
188.6101, 123.7101

 32.3102, 37.0600,
15.8670


209.4744,
230.9084, 156.9739

 21.7553, 25.2540,
9.2767

253.9220,
279.1004, 195.7225

 13.7928, 16.2664,
4.8228

304.2503,
333.5703, 240.3742

 8.0574, 9.7128,
2.0868

360.8247,

 4.1838, 5.2090,

394.7027, 291.3477

0.6079

424.0104,
462.8818, 349.0616

■ 1.8066, 2.3704,
0.0000

■ 0.5217, 0.8106,
0.0000

■ 83.1836, 93.2329,
52.6412

■ 83.1836, 93.2329,
52.6412

■ 80.5846, 91.5853,
40.8300

■ 86.2595, 95.0818,
66.9319

■ 78.4289, 90.1156,
31.3504

■ 89.8304, 97.1295,
83.8271

■ 76.6889, 88.8163,
24.0479

■ 93.9217, 99.3892,
103.4500

■ 75.3314, 87.6738,
18.7471

95.0500, 100.0000,
108.9000

■ 74.3177, 86.6729,
15.2453

■ 73.6015, 85.7948,
13.2970

■ 73.2100, 85.1999,
12.5867

Harmonies

Analogous

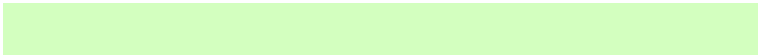
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.3857, 93.2329, 52.6924



83.1836, 93.2329, 52.6412



74.2175, 93.2329, 63.6319

Triad

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



83.1836, 93.2329, 52.6412



74.1504, 93.2329, 151.7761



111.1760, 93.2329, 118.5699

Complementary

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



83.1836, 93.2329, 52.6412



50.5883, 47.0400, 101.0211

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.



104.7637, 93.2329, 152.0595



83.1836, 93.2329, 52.6412



83.0846, 93.2329, 173.8169

Square

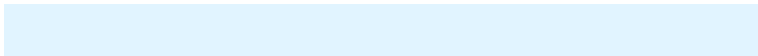
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1836, 93.2329, 52.6412



69.3100, 93.2329, 118.2421



94.2780, 93.2329, 173.9304



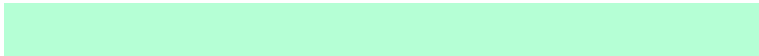
111.2082, 93.2329, 86.4444

Rectangle

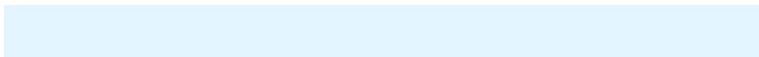
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.1836, 93.2329, 52.6412



70.4417, 93.2329, 77.4059



94.2780, 93.2329, 173.9304



109.6727, 93.2329, 130.1721

Sweetspot

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



83.1858, 93.2371, 52.6431



90.8226, 97.6848, 88.5635



63.8445, 53.9066, 48.1934



19.3217, 20.8426, 18.3923



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

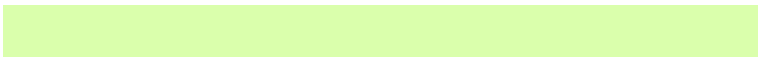
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1858, 93.2371, 52.6431



81.4551, 92.1499, 44.7466



72.0158, 89.3503, 52.4817



19.4819, 20.9320, 19.1578



38.2865, 44.5843, 6.5877



3.7500, 4.3853, 0.6488

Inverse Universe

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



50.5883, 47.0400, 101.0211



44.3024, 39.5011, 99.8972



59.1970, 50.3326, 101.2029



17.0731, 17.5178, 22.7314



9.5314, 3.9724, 49.6990



0.9516, 0.4339, 4.8469

Previews

White Background



This preview shows how the XYZ color 83.1836, 93.2329, 52.6412 looks on a white background.

Color Contrast Check

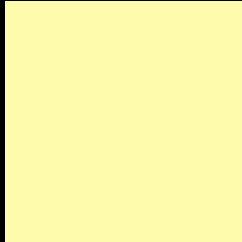
Large Text (above 18pt) WCAG AA × Fail

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 83.1836, 93.2329, 52.6412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

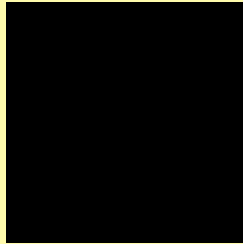
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.1836, 93.2329, 52.6412

Background



This preview shows how black text looks on a background with the XYZ color 83.1836, 93.2329, 52.6412.

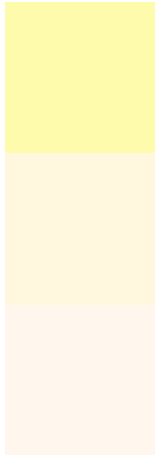


This preview shows how white text looks on a background with the XYZ color 83.1836, 93.2329,

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

83.1836, 93.2329, 52.6412

Protanopia

87.6856, 93.0555, 82.4472

Deuteranopia

89.6284, 93.3446, 94.1823



Tritanopia

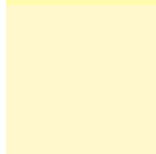
91.1614, 92.9896, 105.2395

Trichromacy



Original Color

83.1836, 93.2329, 52.6412



Protanomaly

85.7065, 92.7544, 70.5129



Deuteranomaly

86.9450, 93.2498, 77.0349



Tritanomaly

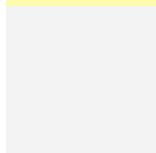
87.8200, 93.1092, 83.1553

Monochromacy



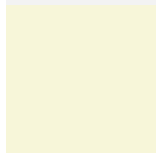
Original Color

83.1836, 93.2329, 52.6412



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.8379, 90.6954, 78.7329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.1836, 93.2329, 52.6412 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, 251, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 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, 251, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 172) }
```

Border

The CSS property to change the border of an element to XYZ 83.1836, 93.2329, 52.6412 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, 251, 172) }
```


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

```
.border{ border-color:rgb(255, 251, 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, 251, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 83.1836, 93.2329, 52.6412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 172) }
```

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

```
.background{ background-color: rgb(255,  
251, 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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