

Converting Colors

XYZ(83.4503, 91.4743, 59.7960)

Have a look what the booklet for
XYZ(83.4503, 91.4743, 59.7960)
contains.

XYZ(83.3637, 91.3267, 59.6885)	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(83.3637, 91.3267,
59.6885)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF7BA
RGB	255, 247, 186
RGB Percent	100%, 97%, 73%
CMY	0.0000, 0.0313, 0.2706
CMYK	0.00, 0.03, 0.27, 0.00
HSL	53°, 100%, 86%
HSV	53°, 27%, 100%
XYZ	83.3637, 91.3267, 59.6885
YIQ	242.4380, 24.3490, -17.2750

Conversions

Conversions Part 2

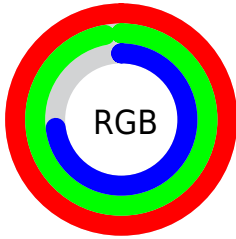
Format	Color
R _Y B	195, 255, 186
Decimal	16775098
CIE Lab	96.54, -6.49, 30.36
CIE LCh	97, 31.045, 102.074
Yxy	91.3267, 0.3557, 0.3897
Android (android.graphics.Color)	4294965178 (0xFFFFF7BA)
YUV	242.4380, -27.8239, 11.0169
Hunter-Lab	95.5650, -11.5288, 29.8638

Details

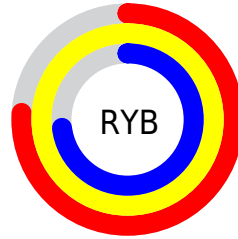
The XYZ color **83.3637, 91.3267, 59.6885** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **57.5911, 56.2411, 102.4280**, and the grayscale version is **84.9472, 89.3711, 97.3251**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **46.0844, 50.9333, 29.2320** is the 20% darker color. If you saturate the color by 10%, you get **79.9956, 88.5485, 46.3639**, and if you desaturate by 10%, it is **87.2344, 94.3352, 75.5695**.

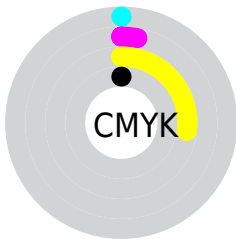
Distribution



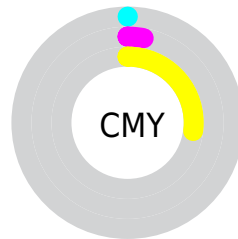
- Red (100%)
- Green (97%)
- Blue (73%)



- Red (76%)
- Yellow (100%)
- Blue (73%)



- Cyan (0%)
- Magenta (3%)
- Yellow (27%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.3637, 91.3267, 59.6885 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 83.3637, 91.3267, 59.6885 by changing the saturation by 10% instead.


 83.3637, 91.3267,
59.6885

 83.3637, 91.3267,
59.6885


494.7635,
532.3372, 441.2214

 62.8082, 69.0815,
42.7440


 137.0106,
149.1799, 105.9166

 45.9441, 50.7781,
29.3544


170.8327,
185.5567, 136.0372

 32.4061, 36.0320,
19.1012


209.8077,
227.4128, 171.3870

 21.8290, 24.4589,
11.5658

254.3009,
275.1326, 212.3844

 13.8472, 15.6744,
6.3299

304.6778,
329.1006, 259.4480

 8.0954, 9.2941,
2.9747

361.3036,

 4.2084, 4.9335,

389.7011, 312.9963

1.0817

424.5437,
457.3185, 373.4479

■ 1.8207, 2.2083,
0.0000

■ 0.5301, 0.7245,
0.0000

■ 83.3637, 91.3267,
59.6885

■ 83.3637, 91.3267,
59.6885

■ 79.9956, 88.5485,
46.3639

■ 87.2344, 94.3352,
75.5695

■ 77.0976, 85.9780,
35.4545

■ 91.6248, 97.5714,
94.1266

■ 74.6439, 83.6078,
26.8139

95.0500, 100.0000,
108.9000

■ 72.6029, 81.4254,
20.2781

■ 70.9395, 79.4164,
15.6603

■ 69.6117, 77.5641,
12.7415

■ 68.5664, 75.8471,
11.2415

■ 68.2891, 75.3582,
10.9464

Harmonies

Analogous

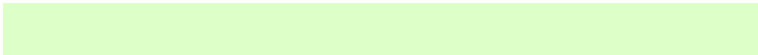
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.0342, 91.3267, 60.5903



83.3637, 91.3267, 59.6885



76.1081, 91.3267, 68.0529

Triad

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



83.3637, 91.3267, 59.6885



75.0115, 91.3267, 134.9726



103.6445, 91.3267, 114.8641

Complementary

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



83.3637, 91.3267, 59.6885



57.5911, 56.2411, 102.4280

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.



98.4562, 91.3267, 139.2400



83.3637, 91.3267, 59.6885



81.7744, 91.3267, 152.1134

Square

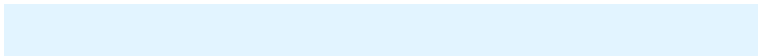
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3637, 91.3267, 59.6885



71.5054, 91.3267, 109.7609



90.3362, 91.3267, 153.7936



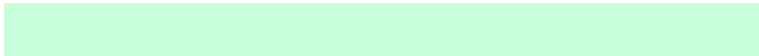
104.1408, 91.3267, 89.7859

Rectangle

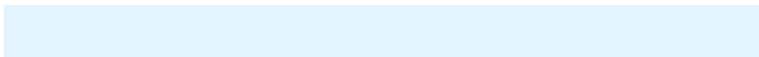
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3637, 91.3267, 59.6885



72.8956, 91.3267, 78.7202



90.3362, 91.3267, 153.7936



102.3761, 91.3267, 123.5078

Sweetspot

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



83.3659, 91.3307, 59.6904



91.1883, 97.2564, 92.2608



68.5428, 60.2762, 59.0915



19.3710, 20.7101, 19.1208



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

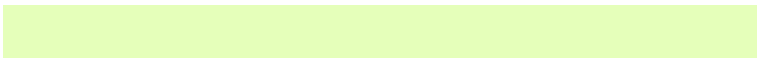
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3659, 91.3307, 59.6904



81.6396, 89.9286, 52.7935



76.7931, 91.6495, 60.0984



19.3710, 20.7101, 19.1208



35.7541, 39.5194, 5.7436



3.5300, 3.9454, 0.5755

Inverse Universe

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



57.5911, 56.2411, 102.4280



52.2755, 49.9565, 101.4951



62.8911, 56.4030, 102.1799



17.1724, 17.7165, 22.7645



9.7214, 4.3524, 49.7623



0.9985, 0.5277, 4.8625

Previews

White Background



This preview shows how the XYZ color 83.3637, 91.3267, 59.6885 looks on a white background.

Color Contrast Check

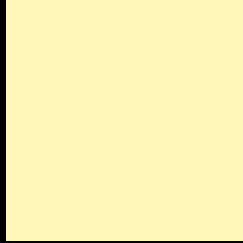
Large Text (above 18pt) WCAG AA × Fail

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 83.3637, 91.3267, 59.6885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

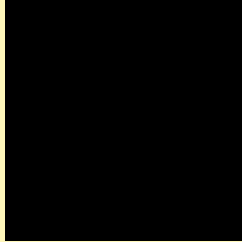
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.3637, 91.3267, 59.6885

Background



This preview shows how black text looks on a background with the XYZ color 83.3637, 91.3267, 59.6885.

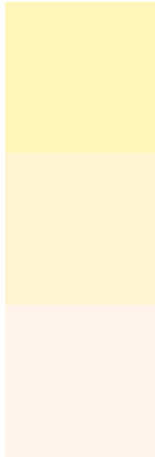


This preview shows how white text looks on a background with the XYZ color 83.3637, 91.3267,

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

83.3637, 91.3267, 59.6885

Protanopia

85.9026, 91.3689, 76.0592

Deuteranopia

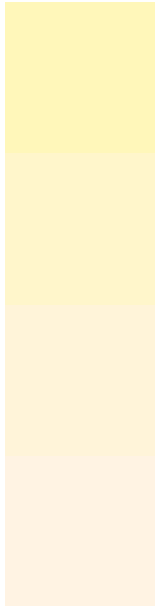
88.1419, 91.3017, 90.8193



Tritanopia

90.1079, 91.1356, 104.1085

Trichromacy



Original Color

83.3637, 91.3267, 59.6885

Protanomaly

84.9753, 91.4833, 69.6793

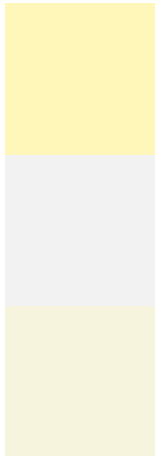
Deuteranomaly

86.1151, 90.9711, 78.6661

Tritanomaly

87.1557, 90.9072, 85.6263

Monochromacy



Original Color

83.3637, 91.3267, 59.6885

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.8933, 89.7495, 82.0090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3637, 91.3267, 59.6885 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, 247, 186)` looks like.

```
.text, #text, p{  
  color:rgb(255, 247, 186)  
}
```

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, 247, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 186) }
```

Border

The CSS property to change the border of an element to XYZ 83.3637, 91.3267, 59.6885 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, 247, 186) }
```


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

```
.border{ border-color:rgb(255, 247, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 247, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 247, 186); box-shadow:4px 4px 4px 4px rgb(255, 247, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3637, 91.3267, 59.6885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 186) }
```

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

```
.background{ background-color: rgb(255,  
247, 186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor