

Converting Colors

XYZ(86.5900, 94.9162, 53.9890)

Have a look what the booklet for
XYZ(86.5900, 94.9162, 53.9890)
contains.

XYZ(83.3772, 93.3104, 53.6607)	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(83.3772, 93.3104,
53.6607)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFBAE
RGB	255, 251, 174
RGB Percent	100%, 98%, 68%
CMY	0.0000, 0.0157, 0.3176
CMYK	0.00, 0.02, 0.32, 0.00
HSL	57°, 100%, 84%
HSV	57°, 32%, 100%
XYZ	83.3772, 93.3104, 53.6607
YIQ	243.4180, 27.1010, -23.0990

Conversions

Conversions Part 2

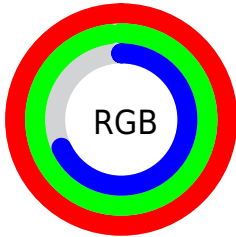
Format	Color
RYB	178, 255, 174
Decimal	16776110
CIELab	97.35, -9.96, 37.46
CIELCh	97, 38.760, 104.883
Yxy	93.3104, 0.3620, 0.4051
Android (android.graphics.Color)	4294966190 (0xFFFFFBAE)
YUV	243.4180, -34.2231, 10.1574
Hunter-Lab	96.5973, -14.9744, 34.6820

Details

The XYZ color **83.3772, 93.3104, 53.6607** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **51.4257, 48.0581, 101.1735**, and the grayscale version is **85.7756, 90.2426, 98.2742**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **45.9923, 52.2810, 25.7564** is the 20% darker color. If you saturate the color by 10%, you get **80.7330, 91.6296, 41.6572**, and if you desaturate by 10%, it is **86.5006, 95.1935, 68.1544**.

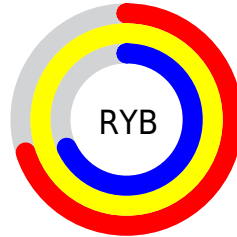
Distribution



Red (100%)

Green (98%)

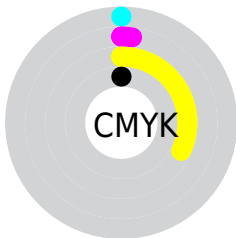
Blue (68%)



Red (70%)

Yellow (100%)

Blue (68%)

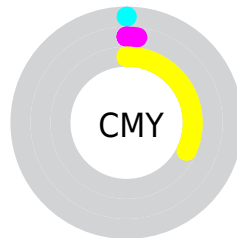


Cyan (0%)

Magenta (2%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.3772, 93.3104, 53.6607 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 83.3772, 93.3104, 53.6607 by changing the saturation by 10% instead.


 83.3772, 93.3104,
53.6607

 83.3772, 93.3104,
53.6607


494.8077,
538.7416, 417.9528

 62.8193, 70.7295,
37.9391


 137.0294,
151.9283, 97.0273

 45.9532, 52.1215,
25.6340


170.8545,
188.7341, 125.5093

 32.4133, 37.1019,
16.3267


209.8327,
231.0503, 159.0820

 21.8345, 25.2864,
9.5988

254.3293,
279.2613, 198.1637

 13.8513, 16.2906,
5.0317

304.7098,
333.7516, 243.1732

 8.0983, 9.7300,
2.2068

361.3394,

 4.2102, 5.2203,

394.9055, 294.5288

0.6783

424.5836,
463.1074, 352.6492

■ 1.8217, 2.3771,
0.0000

■ 0.5307, 0.8141,
0.0000

■ 83.3772, 93.3104,
53.6607

■ 83.3772, 93.3104,
53.6607

■ 80.7330, 91.6296,
41.6572

■ 86.5006, 95.1935,
68.1544

■ 78.5342, 90.1280,
31.9970

■ 90.1210, 97.2764,
85.2623

■ 76.7538, 88.7978,
24.5268

■ 94.2636, 99.5723,
105.1074

■ 75.3588, 87.6259,
19.0730

■ 95.0500, 100.0000,
108.9000

■ 74.3110, 86.5971,
15.4353

■ 73.5648, 85.6930,
13.3727

■ 73.1196, 85.0192,
12.5565

Harmonies

Analogous

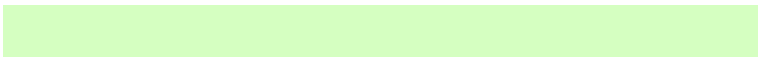
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.3078, 93.3104, 53.7024



83.3772, 93.3104, 53.6607



74.6126, 93.3104, 64.5052

Triad

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



83.3772, 93.3104, 53.6607



74.5584, 93.3104, 150.5036



110.6656, 93.3104, 118.1929

Complementary

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



83.3772, 93.3104, 53.6607



51.4257, 48.0581, 101.1735

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.



104.4324, 93.3104, 150.7303



83.3772, 93.3104, 53.6607



83.2974, 93.3104, 171.8419

Square

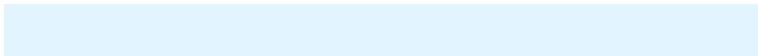
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3772, 93.3104, 53.6607



69.8139, 93.3104, 117.9295



94.2212, 93.3104, 171.9325



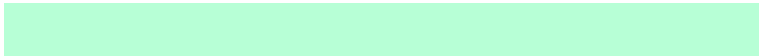
110.6914, 93.3104, 86.8506

Rectangle

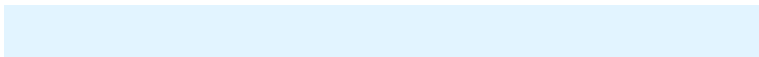
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3772, 93.3104, 53.6607



70.9175, 93.3104, 78.0402



94.2212, 93.3104, 171.9325



109.2054, 93.3104, 129.4781

Sweetspot

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



83.3795, 93.3146, 53.6627



90.8130, 97.6656, 88.5603



64.4177, 54.7496, 49.3196



19.3194, 20.8380, 18.3916



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

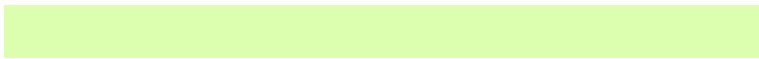
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3795, 93.3146, 53.6627



81.6750, 92.2417, 45.8926



72.4788, 89.5666, 53.5138



19.4800, 20.9281, 19.1572



38.2401, 44.4914, 6.5722



3.7460, 4.3773, 0.6475

Inverse Universe

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



51.4257, 48.0581, 101.1735



45.2457, 40.6501, 100.0693



59.8936, 51.2611, 101.3454



17.0748, 17.5213, 22.7320



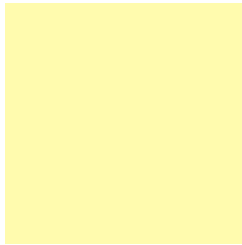
9.5339, 3.9773, 49.6998



0.9524, 0.4356, 4.8471

Previews

White Background



This preview shows how the XYZ color 83.3772, 93.3104, 53.6607 looks on a white background.

Color Contrast Check

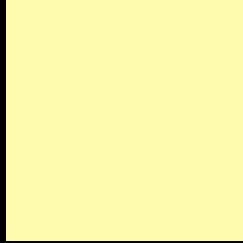
Large Text (above 18pt) WCAG AA × Fail

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 83.3772, 93.3104, 53.6607 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 83.3772, 93.3104, 53.6607

Background



This preview shows how black text looks on a background with the XYZ color 83.3772, 93.3104, 53.6607.

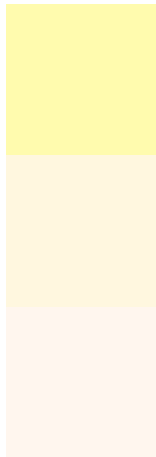


This preview shows how white text looks on a background with the XYZ color 83.3772, 93.3104,

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

83.3772, 93.3104, 53.6607

Protanopia

87.8200, 93.1092, 83.1553

Deuteranopia

89.6284, 93.3446, 94.1823



Tritanopia

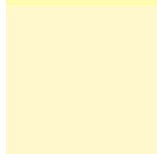
91.1614, 92.9896, 105.2395

Trichromacy



Original Color

83.3772, 93.3104, 53.6607



Protanomaly

85.8268, 92.8026, 71.1467



Deuteranomaly

87.0731, 93.3011, 77.7096



Tritanomaly

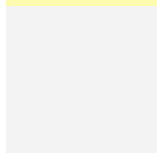
87.9553, 93.1633, 83.8676

Monochromacy



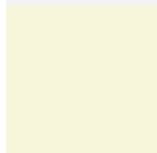
Original Color

83.3772, 93.3104, 53.6607



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.9684, 90.7476, 79.4201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3772, 93.3104, 53.6607 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 174) }
```

Border

The CSS property to change the border of an element to XYZ 83.3772, 93.3104, 53.6607 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, 174) }
```


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

```
.border{ border-color:rgb(255, 251, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3772, 93.3104, 53.6607 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, 174) }
```

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

```
.background{ background-color: rgb(255,  
251, 174) }
```

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