

Converting Colors

XYZ(83.5040, 95.0711, 62.1286)

Have a look what the booklet for
XYZ(83.5040, 95.0711, 62.1286)
contains.

XYZ(83.6567, 95.1506, 62.1008)	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(83.6567, 95.1506,
62.1008)**

Conversions

Conversions Part 1

Format	Color
Hex	F8FFBD
RGB	248, 255, 189
RGB Percent	97%, 100%, 74%
CMY	0.0274, 0.0000, 0.2588
CMYK	0.03, 0.00, 0.26, 0.00
HSL	66°, 100%, 87%
HSV	66°, 26%, 100%
XYZ	83.6567, 95.1506, 62.1008
YIQ	245.3830, 17.0140, -22.0100

Conversions

Conversions Part 2

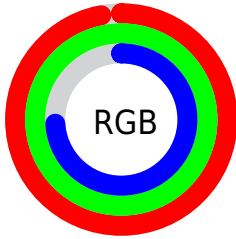
Format	Color
RYB	189, 255, 196
Decimal	16318397
CIELab	98.09, -12.61, 30.85
CIELCh	98, 33.331, 112.234
Yxy	95.1506, 0.3473, 0.3950
Android (android.graphics.Color)	4294508477 (0xFFFF8FFBD)
YUV	245.3830, -27.7968, 2.2951
Hunter-Lab	97.5452, -17.6189, 30.5354

Details

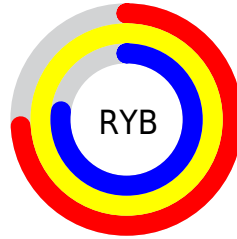
The XYZ color **83.6567, 95.1506, 62.1008** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **59.0135, 55.3522, 102.1814**, and the grayscale version is **87.3059, 91.8526, 100.0275**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **46.0531, 53.2138, 30.7657** is the 20% darker color. If you saturate the color by 10%, you get **80.1755, 93.6481, 48.7370**, and if you desaturate by 10%, it is **87.6393, 96.8552, 78.0310**.

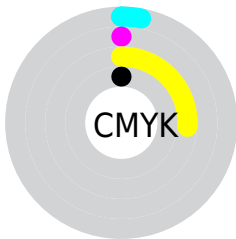
Distribution



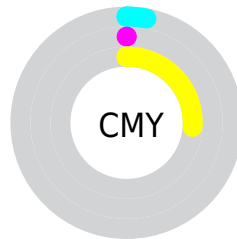
- Red (97%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (77%)



- Cyan (3%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6567, 95.1506, 62.1008 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 83.6567, 95.1506, 62.1008 by changing the saturation by 10% instead.


 83.6567, 95.1506,
62.1008

 83.6567, 95.1506,
62.1008


495.7234,
544.6470, 450.3165

 63.0508, 72.2603,
44.6778


 137.4186,
154.4726, 109.4442

 46.1411, 53.3714,
30.8626


171.3053,
191.6732, 140.2017

 32.5623, 38.0993,
20.2367


210.3496,
234.4127, 176.2412

 21.9490, 26.0598,
12.3814

254.9170,
283.0754, 217.9811

 13.9358, 16.8684,
6.8783

305.3727,
338.0458, 265.8401

 8.1574, 10.1407,
3.3088

362.0821,

 4.2485, 5.4923,

399.7083, 320.2366

1.2544

425.4105,
468.4472, 381.5892

■ 1.8437, 2.5389,
0.0240

■ 0.5438, 0.8961,
0.0000

■ 83.6567, 95.1506,
62.1008

■ 83.6567, 95.1506,
62.1008

■ 80.1755, 93.6481,
48.7370

■ 87.6393, 96.8552,
78.0310

■ 77.1689, 92.3371,
37.8012

■ 92.1457, 98.7710,
96.6480

■ 74.6095, 91.2066,
29.1486

95.0500, 100.0000,
108.9000

■ 72.4664, 90.2441,
22.6168

■ 70.7048, 89.4358,
18.0225

■ 69.2837, 88.7653,
15.1510

■ 68.1527, 88.2124,
13.7364

■ 67.7407, 88.0067,
13.4167

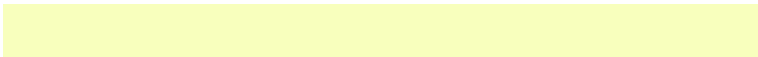
Harmonies

Analogous

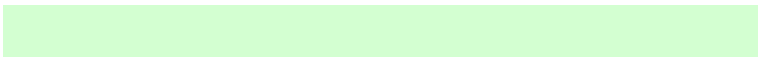
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.9455, 95.1506, 59.6923



83.6567, 95.1506, 62.1008



76.6662, 95.1506, 74.5806

Triad

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



83.6567, 95.1506, 62.1008



79.6368, 95.1506, 151.0597



109.9087, 95.1506, 110.8836

Complementary

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



83.6567, 95.1506, 62.1008



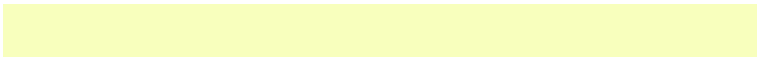
59.0135, 55.3522, 102.1814

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.



105.7671, 95.1506, 139.3191



83.6567, 95.1506, 62.1008



87.9756, 95.1506, 165.0342

Square

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



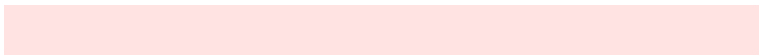
83.6567, 95.1506, 62.1008



74.4619, 95.1506, 124.8350



97.5758, 95.1506, 160.3964



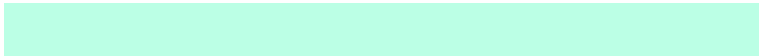
108.5494, 95.1506, 84.9259

Rectangle

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



83.6567, 95.1506, 62.1008



74.0321, 95.1506, 88.3498



97.5758, 95.1506, 160.3964



109.1041, 95.1506, 120.5175

Sweetspot

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



83.6571, 95.1508, 62.1021



91.1461, 98.3470, 92.4736



70.0758, 64.2348, 56.8506



19.3602, 20.9871, 19.1749



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

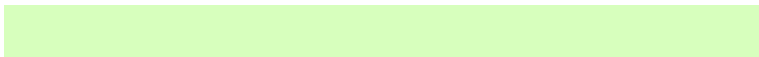
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6571, 95.1508, 62.1021



81.8141, 94.3570, 54.9490



73.0879, 89.7021, 61.6075



19.3602, 20.9871, 19.1749



35.4726, 46.0249, 7.0141



3.5060, 4.5082, 0.6854

Inverse Universe

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



59.0135, 55.3522, 102.1814



53.4128, 48.4827, 101.1507



68.4340, 60.2086, 102.6223



17.1818, 17.4699, 22.7164



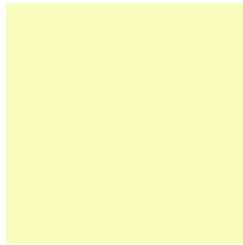
9.7258, 3.9243, 49.6794



1.0029, 0.4110, 4.8397

Previews

White Background



This preview shows how the XYZ color 83.6567, 95.1506, 62.1008 looks on a white background.

Color Contrast Check

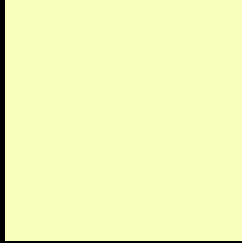
Large Text (above 18pt) WCAG AA × Fail

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 83.6567, 95.1506, 62.1008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

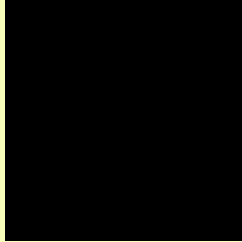
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.6567, 95.1506, 62.1008

Background



This preview shows how black text looks on a background with the XYZ color 83.6567, 95.1506, 62.1008.

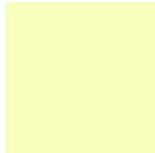


This preview shows how white text looks on a background with the XYZ color 83.6567, 95.1506,

Color Blindness Simulation

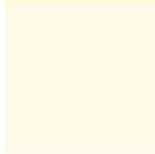
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



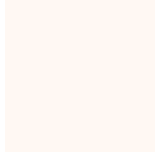
Original Color

83.6567, 95.1506, 62.1008



Protanopia

89.6812, 94.8376, 89.9227



Deuteranopia

90.9851, 94.8659, 98.3095

Tritanopia

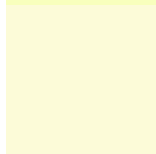
92.1254, 95.2374, 108.1349

Trichromacy



Original Color

83.6567, 95.1506, 62.1008



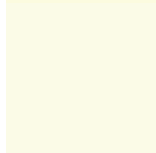
Protanomaly

87.0367, 94.6477, 78.6472



Deuteranomaly

87.9613, 95.0175, 83.5162



Tritanomaly

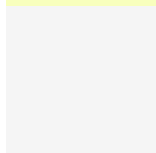
88.7046, 95.2731, 89.3156

Monochromacy



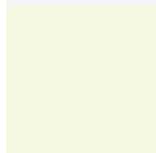
Original Color

83.6567, 95.1506, 62.1008



Achromatopsia

86.7900, 91.3099, 99.4364



Achromatomaly

85.4723, 92.7804, 84.6377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6567, 95.1506, 62.1008 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(248, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 189)  
}
```

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(248, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 189) }
```

Border

The CSS property to change the border of an element to XYZ 83.6567, 95.1506, 62.1008 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(248, 255, 189) }
```


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

```
.border{ border-color:rgb(248, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6567, 95.1506, 62.1008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 189) }
```

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

```
.background{ background-color: rgb(248,  
255, 189) }
```

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