

Converting Colors

XYZ(86.3829, 91.5587, 78.5950)

Have a look what the booklet for
XYZ(86.3829, 91.5587, 78.5950)
contains.

XYZ(86.4168, 91.5746, 78.7666)	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(86.4168, 91.5746,
78.7666)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF5D9
RGB	255, 245, 217
RGB Percent	100%, 96%, 85%
CMY	0.0000, 0.0392, 0.1490
CMYK	0.00, 0.04, 0.15, 0.00
HSL	44°, 100%, 93%
HSV	44°, 15%, 100%
XYZ	86.4168, 91.5746, 78.7666
YIQ	244.7980, 14.9480, -6.5880

Conversions

Conversions Part 2

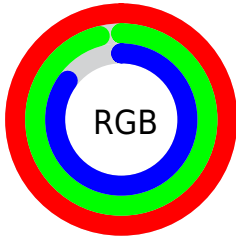
Format	Color
R_{YB}	231, 255, 217
Decimal	16774617
CIE Lab	96.65, -1.16, 14.68
CIE LCh	97, 14.725, 94.517
Yxy	91.5746, 0.3366, 0.3567
Android (android.graphics.Color)	4294964697 (0xFFFFF5D9)
YUV	244.7980, -13.7044, 8.9472
Hunter-Lab	95.6946, -6.2716, 18.1844

Details

The XYZ color **86.4168, 91.5746, 78.7666** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.1337, 76.9077, 105.5452**, and the grayscale version is **86.7289, 91.2455, 99.3664**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0079, 51.0096, 41.4980** is the 20% darker color. If you saturate the color by 10%, you get **81.3612, 86.3675, 61.9627**, and if you desaturate by 10%, it is **92.0628, 97.1416, 98.2981**.

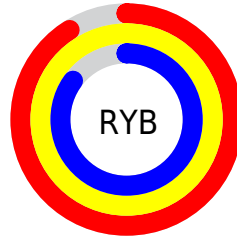
Distribution



Red (100%)

Green (96%)

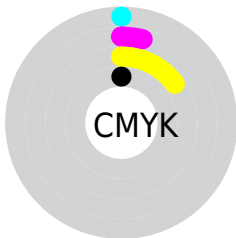
Blue (85%)



Red (91%)

Yellow (100%)

Blue (85%)

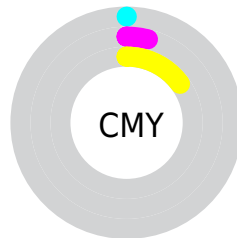


Cyan (0%)

Magenta (4%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.4168, 91.5746, 78.7666 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 86.4168, 91.5746, 78.7666 by changing the saturation by 10% instead.


 86.4168, 91.5746,
78.7666

 86.4168, 91.5746,
78.7666


504.7179,
533.1398, 510.3631

 65.3391, 69.2874,
58.1837


141.2548,
149.5237, 133.4259

 48.0018, 50.9458,
41.5407


175.7459,
185.9543, 168.3395

 34.0396, 36.1654,
28.4189


215.4387,
227.8681, 208.8670

 23.0870, 24.5620,
18.3999

260.6988,
275.6496, 255.4270

 14.7788, 15.7510,
11.0651

311.8914,
329.6831, 308.4381

 8.7496, 9.3482,
5.9959

369.3818,

 4.6340, 4.9690,

390.3530, 368.3188

2.7738

433.5356,
458.0438, 435.4876

■ 2.0667, 2.2291,
0.9803

■ 0.6710, 0.7358,
0.0000

■ 86.4168, 91.5746,
78.7666

■ 86.4168, 91.5746,
78.7666

■ 81.3612, 86.3675,
61.9627

■ 92.0628, 97.1416,
98.2981

■ 76.8653, 81.4976,
47.7567

95.0500, 100.0000,
108.9000

■ 72.9053, 76.9574,
36.0171

■ 69.4527, 72.7340,
26.5987

■ 66.4763, 68.8138,
19.3408

■ 63.9410, 65.1813,
14.0620

■ 61.8058, 61.8188,
10.5512

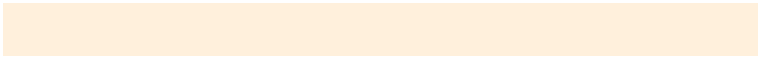
■ 60.0206, 58.7050,
8.5486

■ 59.2091, 57.1982,
7.9197

Harmonies

Analogous

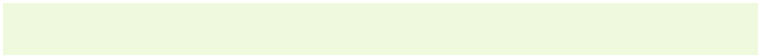
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4906, 91.5746, 80.6060



86.4168, 91.5746, 78.7666



82.6284, 91.5746, 82.1658

Triad

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



86.4168, 91.5746, 78.7666



80.6759, 91.5746, 113.1200



94.3847, 91.5746, 109.7884

Complementary

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



86.4168, 91.5746, 78.7666



74.1337, 76.9077, 105.5452

Split Complementary

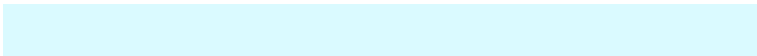
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.6036, 91.5746, 119.5872



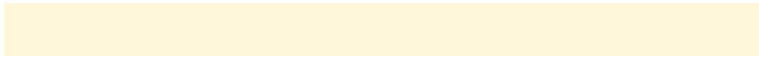
86.4168, 91.5746, 78.7666



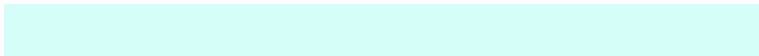
83.6761, 91.5746, 121.6146

Square

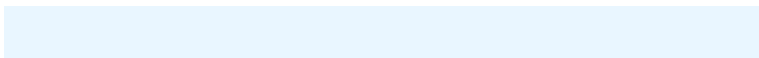
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4168, 91.5746, 78.7666



79.3810, 91.5746, 101.5058



87.6640, 91.5746, 124.0692



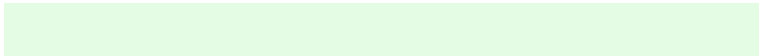
95.1741, 91.5746, 97.9339

Rectangle

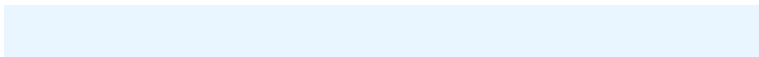
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.4168, 91.5746, 78.7666



80.7487, 91.5746, 87.1158



87.6640, 91.5746, 124.0692



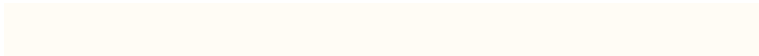
93.6476, 91.5746, 113.4612

Sweetspot

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



86.4189, 91.5785, 78.7685



92.6011, 97.6607, 100.1960



79.9371, 76.4401, 83.3118



19.7242, 20.8106, 21.1067



0.0000, 0.0000, 0.0000



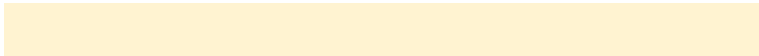
20.3446, 21.4041, 23.3091

Same Dimension

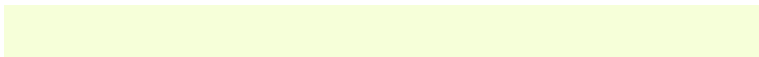
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4189, 91.5785, 78.7685



84.7901, 89.9266, 73.2752



86.3376, 96.1469, 79.6546



19.1332, 20.2347, 19.0416



31.0664, 30.1439, 4.1810



3.1140, 3.1133, 0.4368

Inverse Universe

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



74.1337, 76.9077, 105.5452



70.2747, 72.5936, 104.9158



74.1860, 72.9941, 104.7870



17.3914, 18.1545, 22.8375



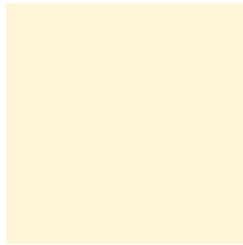
10.5850, 6.0795, 50.0502



1.1152, 0.7610, 4.9014

Previews

White Background



This preview shows how the XYZ color 86.4168, 91.5746, 78.7666 looks on a white background.

Color Contrast Check

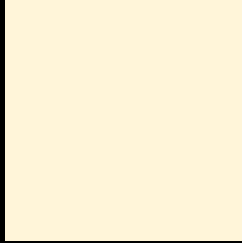
Large Text (above 18pt) WCAG AA × Fail

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 86.4168, 91.5746, 78.7666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

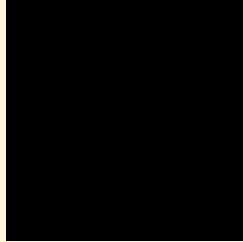
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.4168, 91.5746, 78.7666

Background



This preview shows how black text looks on a background with the XYZ color 86.4168, 91.5746, 78.7666.



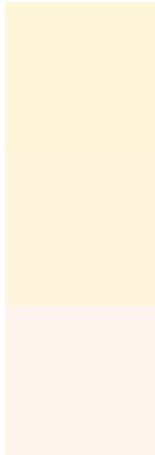
This preview shows how white text looks on a background with the XYZ color 86.4168, 91.5746,

78.7666.

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

86.4168, 91.5746, 78.7666

Protanopia

86.9436, 91.7853, 81.5405

Deuteranopia

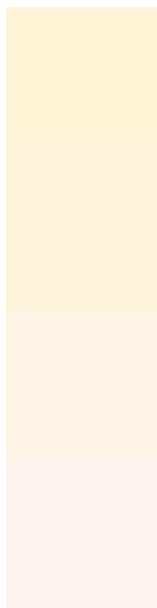
88.7232, 91.5342, 93.8806



Tritanopia

90.4249, 91.2624, 105.7780

Trichromacy



Original Color

86.4168, 91.5746, 78.7666

Protanomaly

86.8107, 91.7321, 80.8408

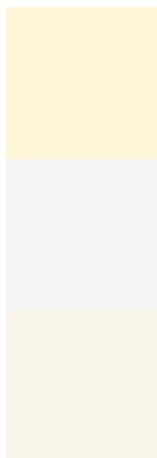
Deuteranomaly

87.8736, 91.6745, 87.9264

Tritanomaly

88.7203, 91.0555, 95.3375

Monochromacy



Original Color

86.4168, 91.5746, 78.7666

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.7147, 91.4427, 91.6771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.4168, 91.5746, 78.7666 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, 245, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 217)  
}
```

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, 245, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 217) }
```

Border

The CSS property to change the border of an element to XYZ 86.4168, 91.5746, 78.7666 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, 245, 217) }
```


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

```
.border{ border-color:rgb(255, 245, 217) }
```

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

Here you see how a box with a 4 pixel rgb(255, 245, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 86.4168, 91.5746, 78.7666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 217) }
```

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

```
.background{ background-color: rgb(255,  
245, 217) }
```

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