

Converting Colors

XYZ(88.2859, 95.3418, 47.0557)

Have a look what the booklet for
XYZ(88.2859, 95.3418, 47.0557)
contains.

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Color

**XYZ(81.7708, 92.1693,
46.7384)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFAA0
RGB	255, 250, 160
RGB Percent	100%, 98%, 63%
CMY	0.0000, 0.0196, 0.3725
CMYK	0.00, 0.02, 0.37, 0.00
HSL	57°, 100%, 81%
HSV	57°, 37%, 100%
XYZ	81.7708, 92.1693, 46.7384
YIQ	241.2350, 31.8700, -26.9300

Conversions

Conversions Part 2

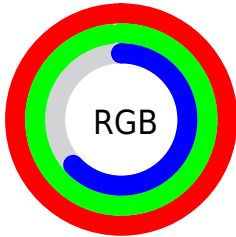
Format	Color
RYB	165, 255, 160
Decimal	16775840
CIELab	96.89, -11.05, 43.77
CIELCh	97, 45.141, 104.169
Yxy	92.1693, 0.3705, 0.4177
Android (android.graphics.Color)	4294965920 (0xFFFFFAA0)
YUV	241.2350, -40.0489, 12.0719
Hunter-Lab	96.0048, -15.9736, 38.3390

Details

The XYZ color **81.7708, 92.1693, 46.7384** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.0022, 41.6027, 100.2133**, and the grayscale version is **84.0843, 88.4632, 96.3365**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **44.9716, 51.5154, 21.4831** is the 20% darker color. If you saturate the color by 10%, you get **79.3508, 90.5405, 36.0324**, and if you desaturate by 10%, it is **84.6558, 93.9954, 59.8588**.

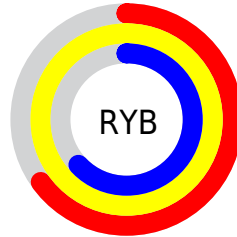
Distribution



Red (100%)

Green (98%)

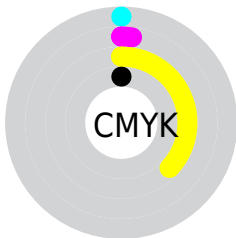
Blue (63%)



Red (65%)

Yellow (100%)

Blue (63%)

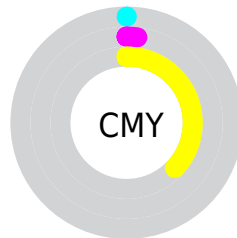


Cyan (0%)

Magenta (2%)

Yellow (37%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7708, 92.1693, 46.7384 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 81.7708, 92.1693, 46.7384 by changing the saturation by 10% instead.


 81.7708, 92.1693,
46.7384


 81.7708, 92.1693,
46.7384


489.5268,
535.0625, 390.1329

 61.4901, 69.7813,
32.4760


 134.7900,
150.3480, 86.6689

 44.8748, 51.3482,
21.4575


 168.2593,
186.9075, 113.1741

 31.5597, 36.4858,
13.2644

206.8554,
228.9595, 144.5973

 21.1793, 24.8096,
7.4780

250.9438,
276.8886, 181.3571

 13.3684, 15.9353,
3.6798

300.8898,
331.0790, 223.8721

 7.7614, 9.4784,
1.4514

357.0587,

 3.9932, 5.0545,

391.9152, 272.5606

0.1813

419.8159,
459.7816, 327.8414

■ 1.6983, 2.2793,
0.0000

■ 0.4552, 0.7627,
0.0000

■ 81.7708, 92.1693,
46.7384

■ 81.7708, 92.1693,
46.7384

■ 79.3508, 90.5405,
36.0324

■ 84.6558, 93.9954,
59.8588

■ 77.3610, 89.0852,
27.5866

■ 88.0249, 96.0166,
75.5235

■ 75.7722, 87.7951,
21.2383

■ 91.9041, 98.2466,
93.8600

■ 74.5489, 86.6558,
16.8005

95.0500, 100.0000,
108.9000

■ 73.6495, 85.6508,
14.0531

■ 73.0199, 84.7584,
12.7125

■ 72.8721, 84.5242,
12.4740

Harmonies

Analogous

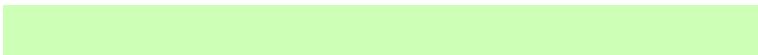
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4252, 92.1693, 47.0542



81.7708, 92.1693, 46.7384



71.6907, 92.1693, 58.1416

Triad

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



81.7708, 92.1693, 46.7384



71.2538, 92.1693, 157.2944



113.2160, 92.1693, 120.6362

Complementary

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



81.7708, 92.1693, 46.7384



46.0022, 41.6027, 100.2133

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.



105.7138, 92.1693, 159.2357



81.7708, 92.1693, 46.7384



81.1198, 92.1693, 183.6368

Square

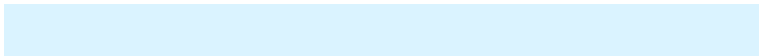
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7708, 92.1693, 46.7384



66.0275, 92.1693, 118.4368



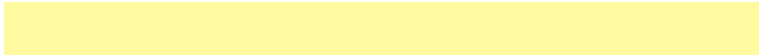
93.7085, 92.1693, 184.4225



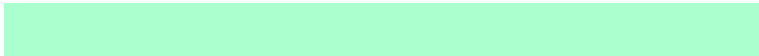
113.4334, 92.1693, 84.2171

Rectangle

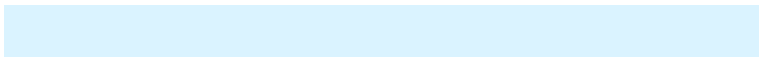
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7708, 92.1693, 46.7384



67.4408, 92.1693, 72.9032



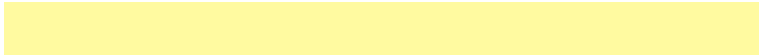
93.7085, 92.1693, 184.4225



111.4323, 92.1693, 133.9593

Sweetspot

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



81.7731, 92.1735, 46.7403



90.3897, 97.3862, 86.6702



60.7251, 49.1681, 42.5280



19.2337, 20.7796, 18.0144



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

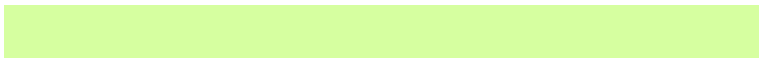
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7731, 92.1735, 46.7403



79.8580, 90.8926, 38.2428



69.7887, 88.3294, 46.6300



19.4746, 20.9174, 19.1554



38.1128, 44.2368, 6.5298



3.7350, 4.3553, 0.6438

Inverse Universe

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



46.0022, 41.6027, 100.2133



39.2298, 33.4619, 98.9989



54.7539, 44.8034, 100.3698



17.0796, 17.5308, 22.7335



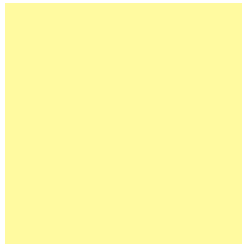
9.5406, 3.9908, 49.7020



0.9547, 0.4401, 4.8479

Previews

White Background



This preview shows how the XYZ color 81.7708, 92.1693, 46.7384 looks on a white background.

Color Contrast Check

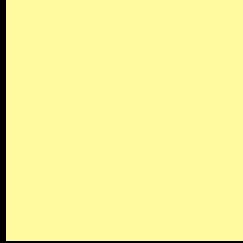
Large Text (above 18pt) WCAG AA × Fail

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 81.7708, 92.1693, 46.7384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

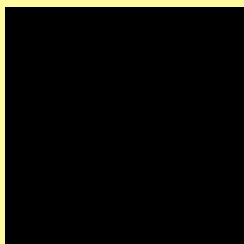
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

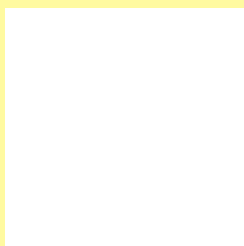
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7708, 92.1693, 46.7384

Background



This preview shows how black text looks on a background with the XYZ color 81.7708, 92.1693, 46.7384.

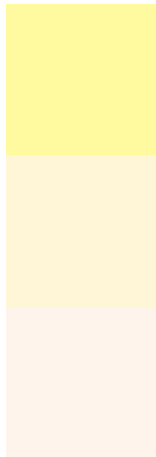


This preview shows how white text looks on a background with the XYZ color 81.7708, 92.1693,

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

81.7708, 92.1693, 46.7384

Protanopia

86.5904, 92.1294, 78.1847

Deuteranopia

88.5861, 91.9595, 91.6782



Tritanopia

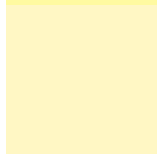
90.7032, 92.3262, 104.3070

Trichromacy



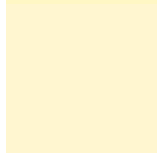
Original Color

81.7708, 92.1693, 46.7384



Protanomaly

84.4646, 91.7671, 65.4856



Deuteranomaly

85.5809, 91.7256, 72.8687



Tritanomaly

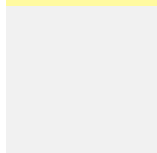
86.8507, 92.2335, 79.5550

Monochromacy



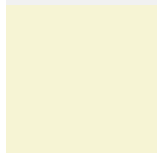
Original Color

81.7708, 92.1693, 46.7384



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

82.2404, 89.0477, 75.1407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7708, 92.1693, 46.7384 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, 250, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 160)  
}
```

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, 250, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 160) }
```

Border

The CSS property to change the border of an element to XYZ 81.7708, 92.1693, 46.7384 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, 250, 160) }
```


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

```
.border{ border-color:rgb(255, 250, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7708, 92.1693, 46.7384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 160) }
```

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

```
.background{ background-color: rgb(255,  
250, 160) }
```

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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