

Converting Colors

XYZ(80.8848, 84.0740, 65.9368)

Have a look what the booklet for
XYZ(80.8848, 84.0740, 65.9368)
contains.

XYZ(80.9716, 84.2292, 66.0230)	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(80.9716, 84.2292,
66.0230)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEAC7
RGB	255, 234, 199
RGB Percent	100%, 92%, 78%
CMY	0.0000, 0.0823, 0.2196
CMYK	0.00, 0.08, 0.22, 0.00
HSL	38°, 100%, 89%
HSV	38°, 22%, 100%
XYZ	80.9716, 84.2292, 66.0230
YIQ	236.2890, 23.7510, -6.4330

Conversions

Conversions Part 2

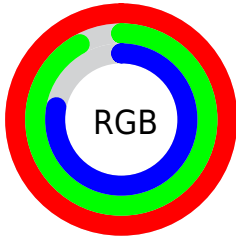
Format	Color
R _Y B	233, 255, 199
Decimal	16771783
CIE Lab	93.55, 1.79, 19.60
CIE LCh	94, 19.680, 84.779
Yxy	84.2292, 0.3502, 0.3643
Android (android.graphics.Color)	4294961863 (0xFFFFEAC7)
YUV	236.2890, -18.3835, 16.4095
Hunter-Lab	91.7765, -3.1237, 21.5909

Details

The XYZ color **80.9716, 84.2292, 66.0230** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.1957, 70.5464, 104.6830**, and the grayscale version is **80.0757, 84.2459, 91.7438**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3199, 45.8909, 33.3100** is the 20% darker color. If you saturate the color by 10%, you get **75.6073, 77.8483, 50.8315**, and if you desaturate by 10%, it is **86.9831, 91.1098, 83.8798**.

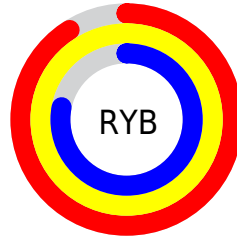
Distribution



Red (100%)

Green (92%)

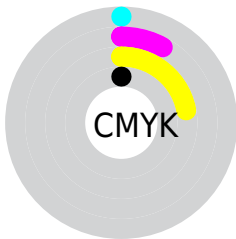
Blue (78%)



Red (91%)

Yellow (100%)

Blue (78%)

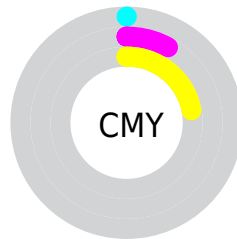


Cyan (0%)

Magenta (8%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9716, 84.2292, 66.0230 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 80.9716, 84.2292, 66.0230 by changing the saturation by 10% instead.


 80.9716, 84.2292,
66.0230

 80.9716, 84.2292,
66.0230


486.8880,
509.0740, 464.8656

 60.8294, 63.2047,
47.8345


133.6743,
139.2957, 115.1467

 44.3395, 46.0068,
33.3368


166.9654,
174.1066, 146.9189

 31.1366, 32.2512,
22.1113

205.3703,
214.2816, 184.0561

 20.8552, 21.5534,
13.7396

249.2543,
260.2053, 226.9768

 13.1301, 13.5291,
7.8031

298.9827,
312.2620, 276.0995

 7.5958, 7.7939,
3.8833

354.9209,

 3.8870, 3.9634,

370.8361, 331.8429

1.5615

417.4342,
436.3120, 394.6254

■ 1.6384, 1.6531,
0.2631

■ 0.4173, 0.3930,
0.0000

■ 80.9716, 84.2292,
66.0230

■ 80.9716, 84.2292,
66.0230

■ 75.6073, 77.8483,
50.8315

■ 86.9831, 91.1098,
83.8798

■ 70.8570, 71.9414,
38.1692

■ 93.6607, 98.4925,
104.5185

■ 66.6936, 66.4968,
27.8958

■ 95.0500, 100.0000,
108.9000

■ 63.0851, 61.4979,
19.8550

■ 59.9961, 56.9265,
13.8718

■ 57.3857, 52.7623,
9.7446

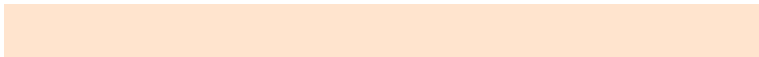
■ 55.2055, 48.9817,
7.2303

■ 53.7072, 46.1945,
6.0857

Harmonies

Analogous

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



85.9701, 84.2292, 70.2291



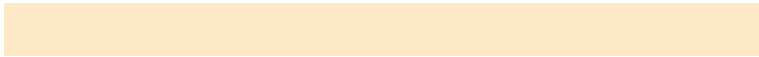
80.9716, 84.2292, 66.0230



75.9349, 84.2292, 68.0683

Triad

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



80.9716, 84.2292, 66.0230



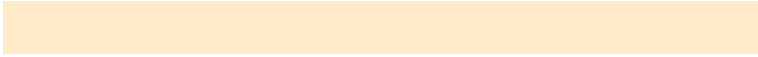
71.3088, 84.2292, 104.2586



88.5161, 84.2292, 109.2577

Complementary

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



80.9716, 84.2292, 66.0230



67.1957, 70.5464, 104.6830

Split Complementary

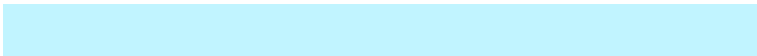
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3263, 84.2292, 120.2786



80.9716, 84.2292, 66.0230



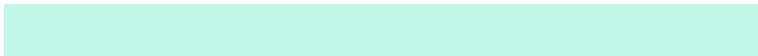
74.4221, 84.2292, 117.1803

Square

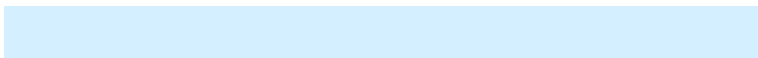
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9716, 84.2292, 66.0230



70.4972, 84.2292, 89.1274



79.1500, 84.2292, 123.3239



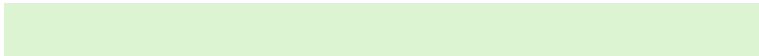
90.4449, 84.2292, 94.3446

Rectangle

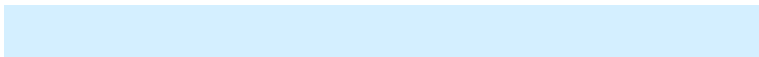
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9716, 84.2292, 66.0230



73.2117, 84.2292, 72.8306



79.1500, 84.2292, 123.3239



87.3169, 84.2292, 113.6018

Sweetspot

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



80.9737, 84.2329, 66.0248



90.2102, 94.7076, 93.7615



74.6442, 67.2998, 77.0914



19.2227, 20.1762, 19.8035



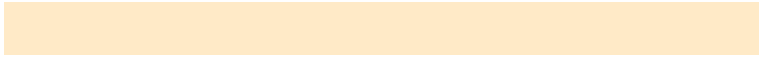
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.9737, 84.2329, 66.0248



78.7298, 81.5951, 59.5735



84.9462, 95.6855, 68.0260



18.9555, 19.8791, 18.9823



28.2114, 24.4340, 3.2293



2.8519, 2.5891, 0.3494

Inverse Universe

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



67.1957, 70.5464, 104.6830



62.8962, 65.8690, 104.0068



63.7985, 61.1230, 103.0431



17.5609, 18.4934, 22.8940



11.7295, 8.3685, 50.4317



1.2429, 1.0165, 4.9440

Previews

White Background



This preview shows how the XYZ color 80.9716, 84.2292, 66.0230 looks on a white background.

Color Contrast Check

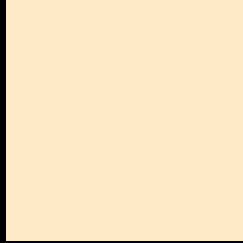
Large Text (above 18pt) WCAG AA × Fail

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 80.9716, 84.2292, 66.0230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

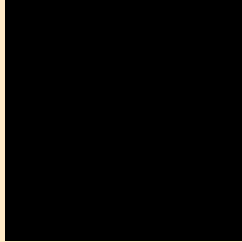
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.9716, 84.2292, 66.0230

Background



This preview shows how black text looks on a background with the XYZ color 80.9716, 84.2292, 66.0230.

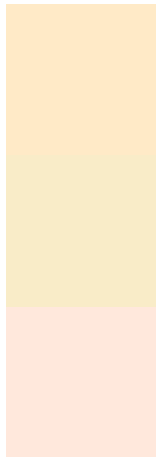


This preview shows how white text looks on a background with the XYZ color 80.9716, 84.2292,

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

80.9716, 84.2292, 66.0230

Protanopia

79.4877, 84.3008, 66.7258

Deuteranopia

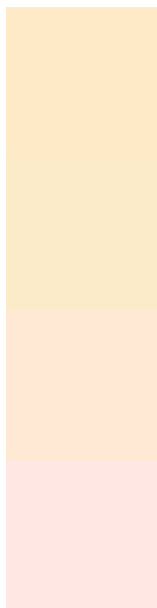
83.0149, 84.1405, 79.5755



Tritanopia

85.7145, 84.3247, 96.5527

Trichromacy



Original Color

80.9716, 84.2292, 66.0230

Protanomaly

79.9173, 84.0960, 66.6636

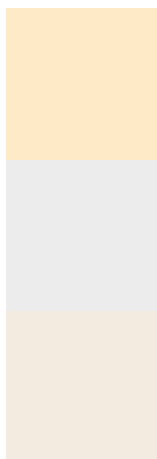
Deuteranomaly

82.2626, 84.2913, 74.2215

Tritanomaly

83.6810, 83.9579, 84.4681

Monochromacy



Original Color

80.9716, 84.2292, 66.0230

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.9898, 83.7991, 81.7710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9716, 84.2292, 66.0230 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, 234, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 199)  
}
```

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, 234, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 199) }
```

Border

The CSS property to change the border of an element to XYZ 80.9716, 84.2292, 66.0230 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, 234, 199) }
```


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

```
.border{ border-color:rgb(255, 234, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9716, 84.2292, 66.0230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 199) }
```

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

```
.background{ background-color: rgb(255,  
234, 199) }
```

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