

Converting Colors

XYZ(96.3437, 92.4403, 67.1761)

Have a look what the booklet for
XYZ(96.3437, 92.4403, 67.1761)
contains.

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Color

**XYZ(81.3737, 84.8468,
66.7318)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEBC8
RGB	255, 235, 200
RGB Percent	100%, 92%, 78%
CMY	0.0000, 0.0784, 0.2157
CMYK	0.00, 0.08, 0.22, 0.00
HSL	38°, 100%, 89%
HSV	38°, 22%, 100%
XYZ	81.3737, 84.8468, 66.7318
YIQ	236.9900, 23.1550, -6.6450

Conversions

Conversions Part 2

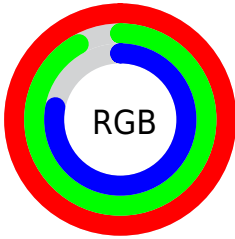
Format	Color
R_{YB}	231, 255, 200
Decimal	16772040
CIE _{Lab}	93.82, 1.42, 19.46
CIE _{LCh}	94, 19.507, 85.817
Yxy	84.8468, 0.3493, 0.3642
Android (android.graphics.Color)	4294962120 (0xFFFFEBC8)
YUV	236.9900, -18.2361, 15.7948
Hunter-Lab	92.1123, -3.5064, 21.5253

Details

The XYZ color **81.3737, 84.8468, 66.7318** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.4620, 70.6837, 104.6954**, and the grayscale version is **80.6138, 84.8120, 92.3603**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5971, 46.3213, 33.7845** is the 20% darker color. If you saturate the color by 10%, you get **76.0537, 78.5849, 51.4614**, and if you desaturate by 10%, it is **87.3331, 91.5915, 84.6697**.

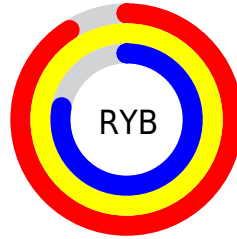
Distribution



Red (100%)

Green (92%)

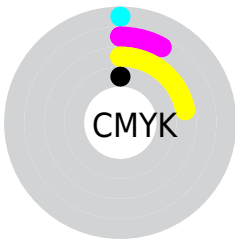
Blue (78%)



Red (91%)

Yellow (100%)

Blue (78%)

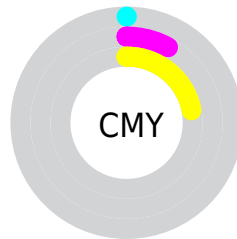


Cyan (0%)

Magenta (8%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.3737, 84.8468, 66.7318 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 81.3737, 84.8468, 66.7318 by changing the saturation by 10% instead.


 81.3737, 84.8468,
66.7318

 81.3737, 84.8468,
66.7318


488.2166,
511.1210, 467.4650

 61.1618, 63.7148,
48.4065


134.2358,
140.1591, 116.1730

 44.6088, 46.4197,
33.7866


167.6166,
175.1082, 148.1260

 31.3493, 32.5772,
22.4537


206.1178,
215.4318, 185.4586

 21.0181, 21.8027,
13.9891

250.1048,
261.5143, 228.5894

 13.2498, 13.7120,
7.9745

299.9428,
313.7401, 277.9369

 7.6790, 7.9206,
3.9911

355.9972,

 3.9403, 4.0442,

372.4935, 333.9196

1.6204

418.6333,
438.1590, 396.9561

■ 1.6684, 1.6983,
0.3053

■ 0.4364, 0.4226,
0.0000

■ 81.3737, 84.8468,
66.7318

■ 81.3737, 84.8468,
66.7318

■ 76.0537, 78.5849,
51.4614

■ 87.3331, 91.5915,
84.6697

■ 71.3404, 72.7809,
38.7226

■ 93.9510, 98.8213,
105.3910

■ 67.2070, 67.4233,
28.3759

95.0500, 100.0000,
108.9000

■ 63.6218, 62.4961,
20.2655

■ 60.5497, 57.9817,
14.2174

■ 57.9506, 53.8602,
10.0313

■ 55.7764, 50.1087,
7.4663

■ 54.2130, 47.2060,
6.2543

Harmonies

Analogous

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



86.3766, 84.8468, 70.7185



81.3737, 84.8468, 66.7318



76.3797, 84.8468, 68.9900

Triad

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



81.3737, 84.8468, 66.7318



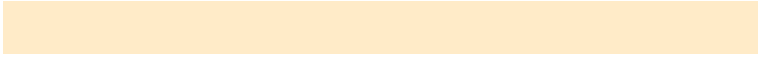
71.9981, 84.8468, 105.3854



89.1766, 84.8468, 109.3728

Complementary

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



81.3737, 84.8468, 66.7318



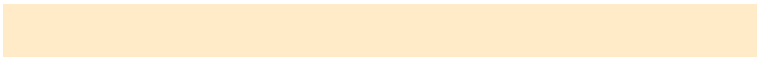
67.4620, 70.6837, 104.6954

Split Complementary

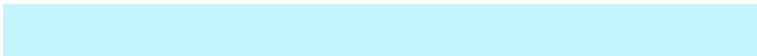
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0648, 84.8468, 120.5451



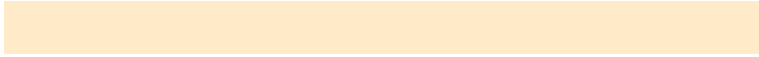
81.3737, 84.8468, 66.7318



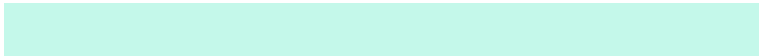
75.1715, 84.8468, 118.0754

Square

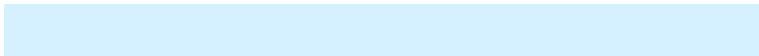
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.3737, 84.8468, 66.7318



71.1038, 84.8468, 90.3168



79.9193, 84.8468, 123.8880



91.0023, 84.8468, 94.4820

Rectangle

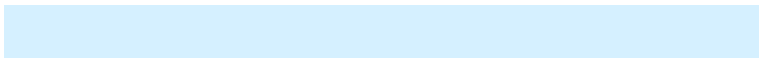
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.3737, 84.8468, 66.7318



73.7037, 84.8468, 73.8779



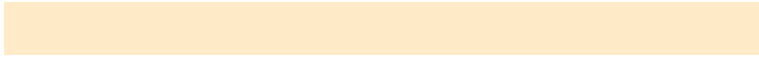
79.9193, 84.8468, 123.8880



88.0076, 84.8468, 113.7475

Sweetspot

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



81.3757, 84.8505, 66.7336



90.9348, 95.5559, 95.8560



74.8352, 67.7456, 76.9587



19.3711, 20.3517, 20.2265



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.



81.3757, 84.8505, 66.7336



78.9400, 82.0157, 59.6436



84.7790, 95.5858, 68.6263



18.9734, 19.9150, 18.9883



28.4745, 24.9602, 3.3170



2.8764, 2.6382, 0.3576

Inverse Universe

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



67.4620, 70.6837, 104.6954



62.7065, 65.4896, 103.9435



64.5305, 61.8431, 103.1435



17.5436, 18.4588, 22.8882



11.5921, 8.0939, 50.3859



1.2282, 0.9871, 4.9391

Previews

White Background



This preview shows how the XYZ color 81.3737, 84.8468, 66.7318 looks on a white background.

Color Contrast Check

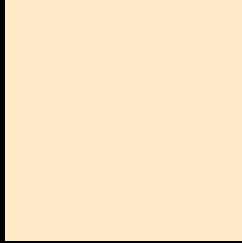
Large Text (above 18pt) WCAG AA × Fail

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 81.3737, 84.8468, 66.7318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

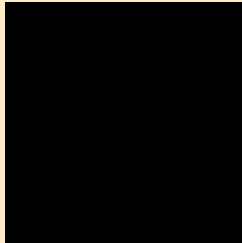
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.3737, 84.8468, 66.7318

Background



This preview shows how black text looks on a background with the XYZ color 81.3737, 84.8468, 66.7318.



This preview shows how white text looks on a background with the XYZ color 81.3737, 84.8468,

66.7318.

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

81.3737, 84.8468, 66.7318

Protanopia

80.2511, 85.1094, 67.4564

Deuteranopia

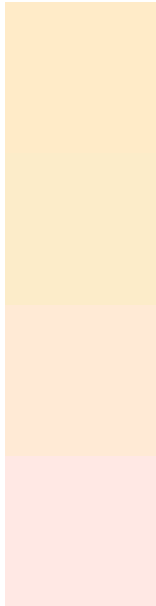
83.4301, 84.7583, 80.3694



Tritanopia

86.1450, 84.9435, 97.4433

Trichromacy



Original Color

81.3737, 84.8468, 66.7318

Protanomaly

80.6830, 84.9034, 67.3939

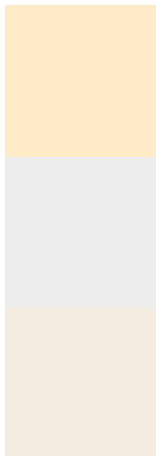
Deuteranomaly

82.6731, 84.9097, 74.9827

Tritanomaly

84.1002, 84.5747, 85.2908

Monochromacy



Original Color

81.3737, 84.8468, 66.7318

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.7582, 84.6058, 82.5952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.3737, 84.8468, 66.7318 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, 235, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 200)  
}
```

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, 235, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 200) }
```

Border

The CSS property to change the border of an element to XYZ 81.3737, 84.8468, 66.7318 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, 235, 200) }
```


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

```
.border{ border-color:rgb(255, 235, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 81.3737, 84.8468, 66.7318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 200) }
```

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

```
.background{ background-color: rgb(255,  
235, 200) }
```

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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