

# Converting Colors

XYZ(83.6342, 86.0841, 60.5243)

Have a look what the booklet for  
XYZ(83.6342, 86.0841, 60.5243)  
contains.

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# **Color**

**XYZ(80.1336, 84.3508,  
60.2019)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8BD
RGB	255, 235, 189
RGB Percent	100%, 92%, 74%
CMY	0.0000, 0.0784, 0.2588
CMYK	0.00, 0.08, 0.26, 0.00
HSL	42°, 100%, 87%
HSV	42°, 26%, 100%
XYZ	80.1336, 84.3508, 60.2019
YIQ	235.7360, 26.6860, -10.0660

# Conversions

## Conversions Part 2

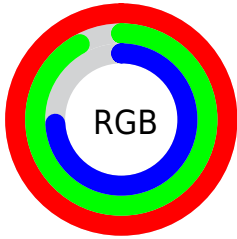
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 255, 189
Decimal	16772029
CIE Lab	93.60, -0.08, 24.82
CIE LCh	94, 24.818, 90.178
Yxy	84.3508, 0.3566, 0.3754
Android (android.graphics.Color)	4294962109 (0xFFFFE8BD)
YUV	235.7360, -23.0408, 16.8945
Hunter-Lab	91.8427, -4.9818, 25.4259

# Details

The XYZ color **80.1336, 84.3508, 60.2019** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.8361, 63.6378, 103.6319**, and the grayscale version is **79.6850, 83.8348, 91.2961**.

A 20% lighter version of the original color is **93.4814, 99.3726, 100.6400**, and **43.7820, 45.9952, 29.4921** is the 20% darker color. If you saturate the color by 10%, you get **75.4421, 79.0146, 46.1617**, and if you desaturate by 10%, it is **85.4121, 90.0813, 76.8407**.

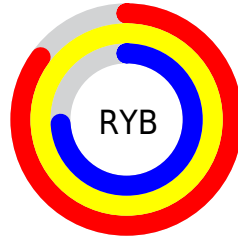
# Distribution



Red (100%)

Green (92%)

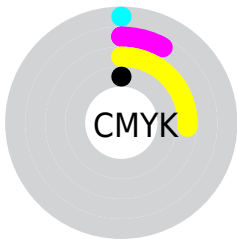
Blue (74%)



Red (85%)

Yellow (100%)

Blue (74%)

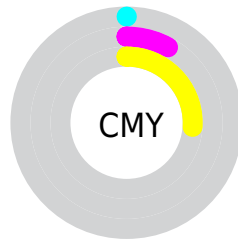


Cyan (0%)

Magenta (8%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.1336, 84.3508, 60.2019 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 80.1336, 84.3508, 60.2019 by changing the saturation by 10% instead.




 80.1336, 84.3508,  
60.2019

 80.1336, 84.3508,  
60.2019


484.1126,  
509.4774, 443.1669

 60.1371, 63.3051,  
43.1550


 132.5031,  
139.4658, 106.6687

 43.7791, 46.0881,  
29.6745


165.6068,  
174.3039, 136.9258

 30.6940, 32.3153,  
19.3417

203.8104,  
214.5082, 172.4233

 20.5166, 21.6025,  
11.7381

247.4791,  
260.4632, 213.5798

 12.8816, 13.5651,  
6.4453

296.9783,  
312.5532, 260.8139

 7.4235, 7.8188,  
3.0445

352.6734,

 3.7770, 3.9792,

371.1626, 314.5441

1.1174

414.9297,  
436.6759, 375.1889

■ 1.5768, 1.6619,  
0.0000

■ 0.3772, 0.3988,  
0.0000

■ 80.1336, 84.3508,  
60.2019

■ 80.1336, 84.3508,  
60.2019

■ 75.4421, 79.0146,  
46.1617

■ 85.4121, 90.0813,  
76.8407

■ 71.3045, 74.0489,  
34.5802

■ 91.2961, 96.2066,  
96.1975

■ 67.6940, 69.4438,  
25.3123

95.0500, 100.0000,  
108.9000

■ 64.5786, 65.1845,  
18.1954

■ 61.9220, 61.2545,  
13.0458

■ 59.6823, 57.6350,  
9.6483

■ 57.8075, 54.3029,  
7.7364

■ 57.1107, 53.0014,  
7.2202

# Harmonies

## Analogous

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



86.6220, 84.3508, 63.8905



80.1336, 84.3508, 60.2019



73.9875, 84.3508, 63.9790

# Triad

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



80.1336, 84.3508, 60.2019



69.7387, 84.3508, 111.2616



91.6421, 84.3508, 111.0402

# Complementary

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



80.1336, 84.3508, 60.2019



61.8361, 63.6378, 103.6319

# 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.



86.6937, 84.3508, 126.8114



80.1336, 84.3508, 60.2019



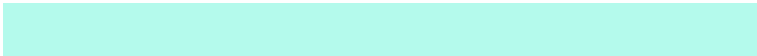
74.0521, 84.3508, 126.9511

# Square

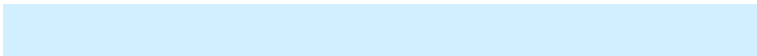
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1336, 84.3508, 60.2019



68.1899, 84.3508, 91.9563



80.2122, 84.3508, 132.9903



93.4834, 84.3508, 91.7311

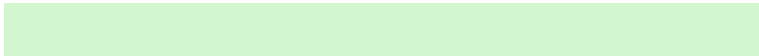


# Rectangle

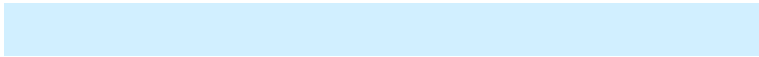
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1336, 84.3508, 60.2019



70.8548, 84.3508, 70.5643



80.2122, 84.3508, 132.9903



90.2741, 84.3508, 117.0211

# Sweetspot

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



80.1357, 84.3546, 60.2037



89.9977, 94.8752, 91.8640



71.0586, 62.3042, 69.1891



19.0695, 20.1072, 19.0203



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

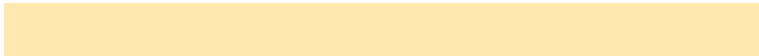


# Same Dimension

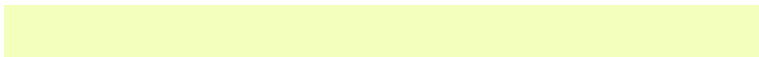
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1357, 84.3546, 60.2037



77.6621, 81.5738, 52.7005



81.8733, 94.2312, 62.0185



19.0695, 20.1072, 19.0203



29.9792, 27.9696, 3.8186



3.0152, 2.9158, 0.4039



# Inverse Universe

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



61.8361, 63.6378, 103.6319



56.5737, 57.7054, 102.7642



60.3627, 56.0476, 102.2446



17.4516, 18.2749, 22.8576



10.9414, 6.7924, 50.1690



1.1565, 0.8437, 4.9152



# Previews

## White Background



This preview shows how the XYZ color 80.1336, 84.3508, 60.2019 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

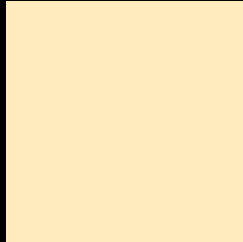
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.1336, 84.3508, 60.2019 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

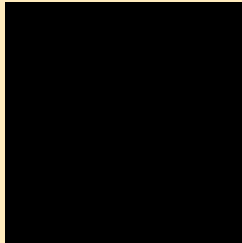
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.1336, 84.3508, 60.2019**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.1336, 84.3508, 60.2019.



This preview shows how white text looks on a background with the XYZ color 80.1336, 84.3508,



# 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

80.1336, 84.3508, 60.2019

### Protanopia

79.0734, 84.2178, 60.8033

### Deuteranopia

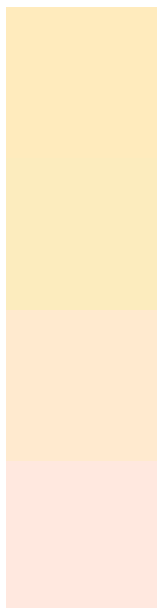
82.9033, 84.5476, 77.5955



## Tritanopia

85.7145, 84.3247, 96.5527

# Trichromacy



## Original Color

80.1336, 84.3508, 60.2019

## Protanomaly

79.4346, 84.4041, 60.8202

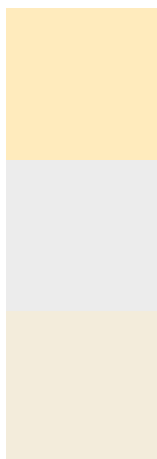
## Deuteranomaly

81.9253, 84.6106, 71.0450

## Tritanomaly

83.4159, 84.3009, 81.6873

# Monochromacy



## Original Color

80.1336, 84.3508, 60.2019

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.7438, 84.1601, 79.0594

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.1336, 84.3508, 60.2019 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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(255, 235, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 80.1336, 84.3508, 60.2019 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, 189) }
```



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

```
.border{ border-color:rgb(255, 235, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.1336, 84.3508, 60.2019 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, 189) }
```

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

```
.background{ background-color: rgb(255,  
235, 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](#).

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