

Converting Colors

XYZ(57.9706, 76.1345, 37.3247)

Have a look what the booklet for
XYZ(57.9706, 76.1345, 37.3247)
contains.

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Color

**XYZ(57.8236, 75.9400,
37.2014)**

Conversions

Conversions Part 1

Format	Color
Hex	BFF18E
RGB	191, 241, 142
RGB Percent	75%, 95%, 56%
CMY	0.2510, 0.0549, 0.4431
CMYK	0.21, 0.00, 0.41, 0.05
HSL	90°, 78%, 75%
HSV	90°, 41%, 95%
XYZ	57.8236, 75.9400, 37.2014
YIQ	214.7640, 1.9790, -41.3890

Conversions

Conversions Part 2

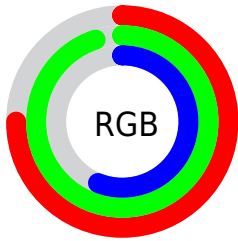
Format	Color
RYB	142, 241, 192
Decimal	12579214
CIELab	89.83, -32.50, 42.65
CIELCh	90, 53.623, 127.310
Yxy	75.9400, 0.3382, 0.4442
Android (android.graphics.Color)	4290769294 (0xFFBFF18E)
YUV	214.7640, -35.8727, -20.8410
Hunter-Lab	87.1436, -34.0586, 35.6897

Details

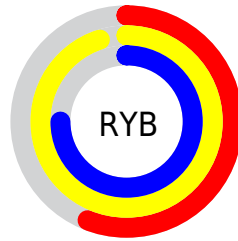
The XYZ color **57.8236, 75.9400, 37.2014** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.2917, 36.9055, 87.8544**, and the grayscale version is **64.6674, 68.0351, 74.0903**.

A 20% lighter version of the original color is **84.9050, 95.6910, 66.8186**, and **29.3478, 40.6703, 15.9762** is the 20% darker color. If you saturate the color by 10%, you get **53.2716, 73.7827, 28.5428**, and if you desaturate by 10%, it is **63.0251, 78.3917, 47.9354**.

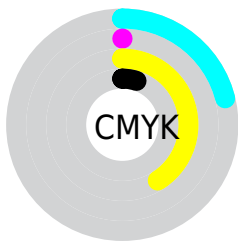
Distribution



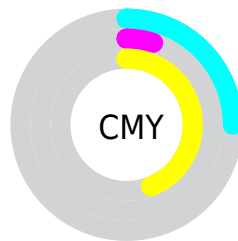
- Red (75%)
- Green (95%)
- Blue (56%)



- Red (56%)
- Yellow (95%)
- Blue (75%)



- Cyan (21%)
- Magenta (0%)
- Yellow (41%)
- Black (5%)



- Cyan (25%)
- Magenta (5%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8236, 75.9400, 37.2014 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 57.8236, 75.9400, 37.2014 by changing the saturation by 10% instead.

■ 57.8236, 75.9400,
37.2014

■ 57.8236, 75.9400,
37.2014

406.4928,
481.1423, 349.3766

■ 41.9096, 56.3833,
25.0665

■ 100.7904,
127.6421, 72.0722

■ 29.2213, 40.5103,
15.9071

■ 128.5738,
160.5563, 95.6452

■ 19.3934, 27.9367,
9.3048

161.0445,
198.6918, 123.8679

■ 12.0606, 18.2779,
4.8410

198.5676,
242.4329, 157.1589

■ 6.8574, 11.1497,
2.0972

241.5087,
292.1642, 195.9367

■ 3.4186, 6.1676,
0.6141

290.2330,

■ 1.3788, 2.9473,

348.2699, 240.6199

0.0000

345.1059,
411.1344, 291.6270

0.2411, 1.1043,
0.0000

0.0000, 0.0000,
0.0000

57.8236, 75.9400,
37.2014

57.8236, 75.9400,
37.2014

53.2716, 73.7827,
28.5428

63.0251, 78.3917,
47.9354

49.3318, 71.8963,
21.8204


68.8995, 81.1400,
60.8623


45.9712, 70.2696,
16.8855


75.4760, 84.1999,
76.0965


43.1505, 68.8861,
13.5657

82.7798, 87.5821,
93.7432

 40.8236, 67.7264,
11.6549

 89.6029, 90.8041,
107.4121

 39.1026, 66.8553,
10.8435

 90.7469, 91.3939,
107.4656

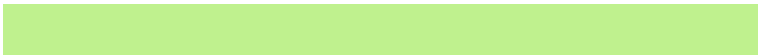
Harmonies

Analogous

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



68.9883, 75.9400, 29.4085



57.8236, 75.9400, 37.2014



51.1496, 75.9400, 57.6328

Triad

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



57.8236, 75.9400, 37.2014



62.7984, 75.9400, 169.8251



100.4838, 75.9400, 73.7530

Complementary

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



57.8236, 75.9400, 37.2014



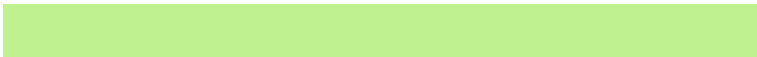
47.2917, 36.9055, 87.8544

Split Complementary

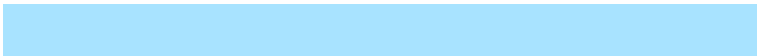
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.3015, 75.9400, 114.1142



57.8236, 75.9400, 37.2014



75.4660, 75.9400, 178.1153

Square

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



57.8236, 75.9400, 37.2014



53.7673, 75.9400, 135.2090



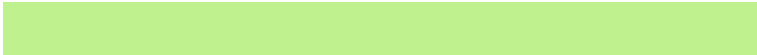
88.7323, 75.9400, 155.2750



94.3758, 75.9400, 45.9036

Rectangle

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



57.8236, 75.9400, 37.2014



49.6215, 75.9400, 79.3113



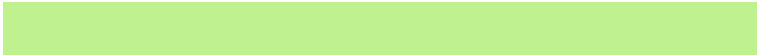
88.7323, 75.9400, 155.2750



100.7069, 75.9400, 86.1546

Sweetspot

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



57.8255, 75.9433, 37.2030



85.0495, 95.3691, 84.7313



59.9011, 58.1367, 33.6566



17.9867, 20.3119, 17.6247



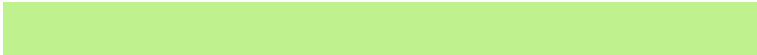
0.0000, 0.0000, 0.0000



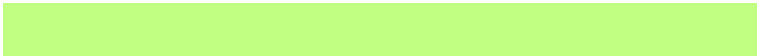
20.3446, 21.4041, 23.3091

Same Dimension

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



57.8255, 75.9433, 37.2030



61.5027, 84.3250, 34.1715



47.4954, 70.6180, 36.7196



16.3110, 18.0405, 16.7722



21.3586, 36.3323, 5.8871



1.8915, 3.0816, 0.4951

Inverse Universe

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



47.2917, 36.9055, 87.8544



48.0727, 34.5572, 98.7442



61.8289, 44.3998, 88.5347



15.6582, 15.6210, 19.9115



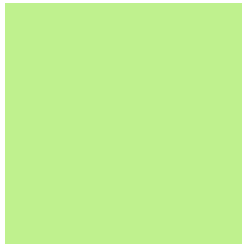
13.0972, 5.7573, 45.5488



1.2044, 0.5381, 3.7946

Previews

White Background



This preview shows how the XYZ color 57.8236, 75.9400, 37.2014 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 57.8236, 75.9400, 37.2014 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

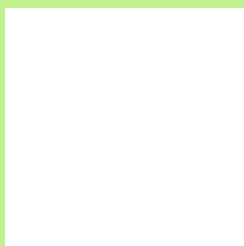
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.8236, 75.9400, 37.2014

Background



This preview shows how black text looks on a background with the XYZ color 57.8236, 75.9400, 37.2014.

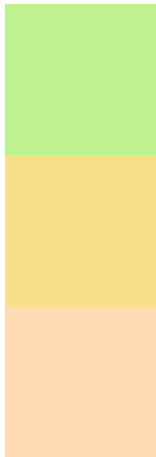


This preview shows how white text looks on a background with the XYZ color 57.8236, 75.9400,

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

57.8236, 75.9400, 37.2014

Protanopia

69.3752, 75.2208, 34.1552

Deuteranopia

74.9120, 75.2592, 54.2943



Tritanopia

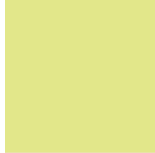
70.2614, 75.8758, 98.9380

Trichromacy



Original Color

57.8236, 75.9400, 37.2014



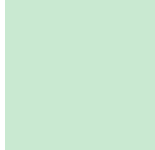
Protanomaly

64.5274, 75.1556, 35.1503



Deuteranomaly

67.7228, 74.8840, 47.4439



Tritanomaly

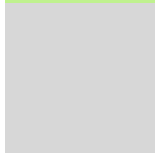
64.7349, 75.2988, 71.4438

Monochromacy



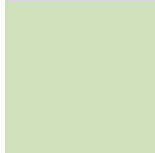
Original Color

57.8236, 75.9400, 37.2014



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.1864, 70.0640, 57.8758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8236, 75.9400, 37.2014 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(191, 241, 142)` looks like.

```
.text, #text, p{  
    color:rgb(191, 241, 142)  
}
```

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(191, 241, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 241, 142) }
```

Border

The CSS property to change the border of an element to XYZ 57.8236, 75.9400, 37.2014 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(191, 241, 142) }
```


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

```
.border{ border-color:rgb(191, 241, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 241, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 241, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 241, 142);  
box-shadow:4px 4px 4px 4px rgb(191, 241,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8236, 75.9400, 37.2014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 241, 142) }
```

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

```
.background{ background-color: rgb(191,  
241, 142) }
```

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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