

Converting Colors

XYZ(51.7202, 69.3023, 37.7001)

Have a look what the booklet for
XYZ(51.7202, 69.3023, 37.7001)
contains.

XYZ(51.7828, 69.3518, 37.8511)	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(51.7828, 69.3518,
37.8511)**

Conversions

Conversions Part 1

Format	Color
Hex	AEE992
RGB	174, 233, 146
RGB Percent	68%, 91%, 57%
CMY	0.3176, 0.0863, 0.4274
CMYK	0.25, 0.00, 0.37, 0.09
HSL	101°, 66%, 74%
HSV	101°, 37%, 91%
XYZ	51.7828, 69.3518, 37.8511
YIQ	205.4410, -7.2370, -39.5650

Conversions

Conversions Part 2

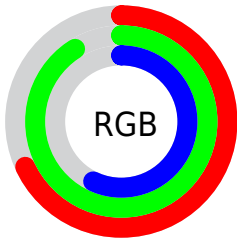
Format	Color
RYB	146, 233, 205
Decimal	11463058
CIELab	86.68, -34.21, 36.40
CIELCh	87, 49.955, 133.220
Yxy	69.3518, 0.3257, 0.4362
Android (android.graphics.Color)	4289653138 (0xFFAEE992)
YUV	205.4410, -29.3044, -27.5738
Hunter-Lab	83.2777, -34.7432, 31.3461

Details

The XYZ color **51.7828, 69.3518, 37.8511** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.1666, 39.4221, 82.0597**, and the grayscale version is **58.4950, 61.5413, 67.0185**.

A 20% lighter version of the original color is **79.2576, 92.7260, 68.9789**, and **25.4882, 36.2455, 16.2424** is the 20% darker color. If you saturate the color by 10%, you get **46.8365, 66.9925, 29.1035**, and if you desaturate by 10%, it is **57.5162, 72.0784, 48.5665**.

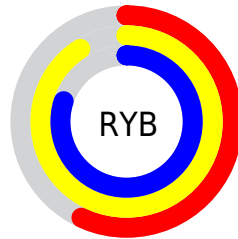
Distribution



Red (68%)

Green (91%)

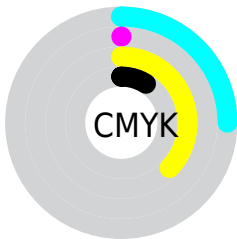
Blue (57%)



Red (57%)

Yellow (91%)

Blue (80%)

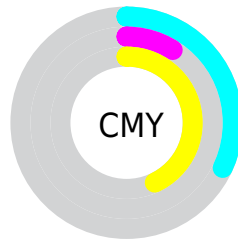


Cyan (25%)

Magenta (0%)

Yellow (37%)

Black (9%)



Cyan (32%)


Magenta (9%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7828, 69.3518, 37.8511 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 51.7828, 69.3518, 37.8511 by changing the saturation by 10% instead.


 51.7828, 69.3518,
37.8511


 51.7828, 69.3518,
37.8511


383.9353,
458.2708, 352.2598

 37.0555, 50.9983,
25.5662


 91.9870, 118.2839,
73.0807

 25.4244, 36.2072,
16.2766


 118.1946,
149.6313, 96.8626

 16.5239, 24.5943,
9.5636


148.9597,
186.0787, 125.3138

 9.9888, 15.7750,
5.0088

184.6477,
228.0106, 158.8530

 5.4538, 9.3651,
2.1936

225.6239,
275.8114, 197.8986

 2.5534, 4.9801,
0.6707


272.2536,

 0.9222, 2.2356,


329.8654, 242.8693


0.0000


324.9023,
390.5571, 294.1835


 0.0000, 0.7393,
0.0000


 0.0000, 0.0000,
0.0000


 51.7828, 69.3518,
37.8511


 51.7828, 69.3518,
37.8511

 46.8365, 66.9925,
29.1035


 57.5162, 72.0784,
48.5665


 42.6352, 64.9751,
22.1996

 64.0659, 75.1786,
61.3547

 39.1404, 63.2848,
17.0082

 71.4655, 78.6697,
76.3188

 36.3078, 61.9019,
13.3788

 79.7455, 82.5653,
93.5535

■ 34.0866, 60.8042,
11.1349

■ 87.7025, 86.3854,
106.6594

■ 32.4144, 59.9645,
10.0439

■ 88.4303, 86.7606,
106.6934

■ 32.0407, 59.7758,
9.8492

Harmonies

Analogous

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



60.9431, 69.3518, 28.8115



51.7828, 69.3518, 37.8511



46.7729, 69.3518, 58.5197

Triad

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



51.7828, 69.3518, 37.8511



59.6805, 69.3518, 154.7384



90.1209, 69.3518, 61.8169

Complementary

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



51.7828, 69.3518, 37.8511



50.1666, 39.4221, 82.0597

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.



89.6795, 69.3518, 95.5119



51.7828, 69.3518, 37.8511



71.1540, 69.3518, 156.4029

Square

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



51.7828, 69.3518, 37.8511



50.9523, 69.3518, 128.2912



82.4137, 69.3518, 132.3321



83.5572, 69.3518, 39.6513

Rectangle

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



51.7828, 69.3518, 37.8511



46.0486, 69.3518, 79.1597



82.4137, 69.3518, 132.3321



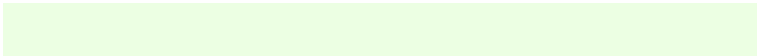
90.8079, 69.3518, 71.9788

Sweetspot

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



51.7845, 69.3548, 37.8526



84.2026, 94.8922, 86.5149



60.3882, 62.5876, 36.0929



17.7562, 20.1850, 17.9775



0.0000, 0.0000, 0.0000



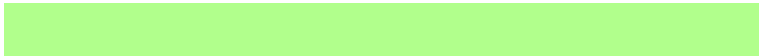
20.3446, 21.4041, 23.3091

Same Dimension

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



51.7845, 69.3548, 37.8526



58.6841, 82.7888, 37.7946



47.3841, 66.9475, 43.9136



15.3247, 17.0974, 16.0112



18.2943, 33.9756, 5.5937



1.5337, 2.7180, 0.4438

Inverse Universe

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



50.1666, 39.4221, 82.0597



56.3997, 40.9659, 99.5424



56.6062, 42.9714, 71.9872



15.2162, 15.0567, 19.0265



16.4834, 7.5334, 44.3283



1.3940, 0.6429, 3.4855

Previews

White Background



This preview shows how the XYZ color 51.7828, 69.3518, 37.8511 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 51.7828, 69.3518, 37.8511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

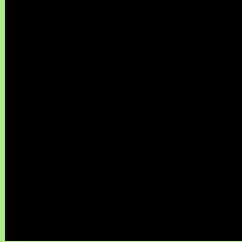
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7828, 69.3518, 37.8511

Background



This preview shows how black text looks on a background with the XYZ color 51.7828, 69.3518, 37.8511.



This preview shows how white text looks on a background with the XYZ color 51.7828, 69.3518,

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

51.7828, 69.3518, 37.8511

Protanopia

63.4770, 68.6380, 34.3290

Deuteranopia

69.8817, 68.8061, 41.4960



Tritanopia

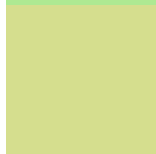
62.6875, 69.2934, 91.7323

Trichromacy



Original Color

51.7828, 69.3518, 37.8511



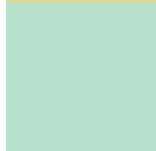
Protanomaly

58.4443, 68.3417, 35.7021



Deuteranomaly

61.9267, 68.0944, 40.0166



Tritanomaly

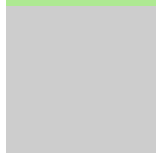
57.9830, 68.9908, 68.0181

Monochromacy



Original Color

51.7828, 69.3518, 37.8511



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

55.2003, 63.5309, 54.7007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7828, 69.3518, 37.8511 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(174, 233, 146)` looks like.

```
.text, #text, p{  
    color:rgb(174, 233, 146)  
}
```

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(174, 233, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 233, 146) }
```

Border

The CSS property to change the border of an element to XYZ 51.7828, 69.3518, 37.8511 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(174, 233, 146) }
```


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

```
.border{ border-color:rgb(174, 233, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 233, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 233, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 233, 146);  
box-shadow:4px 4px 4px 4px rgb(174, 233,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7828, 69.3518, 37.8511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 233, 146) }
```

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

```
.background{ background-color: rgb(174,  
233, 146) }
```

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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