

Converting Colors

XYZ(51.0903, 64.4389, 37.7207)

Have a look what the booklet for
XYZ(51.0903, 64.4389, 37.7207)
contains.

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Color

**XYZ(51.2337, 64.5710,
37.7801)**

Conversions

Conversions Part 1

Format	Color
Hex	B8DE94
RGB	184, 222, 148
RGB Percent	72%, 87%, 58%
CMY	0.2784, 0.1294, 0.4196
CMYK	0.17, 0.00, 0.33, 0.13
HSL	91°, 53%, 73%
HSV	91°, 33%, 87%
XYZ	51.2337, 64.5710, 37.7801
YIQ	202.2020, 1.1060, -31.0700

Conversions

Conversions Part 2

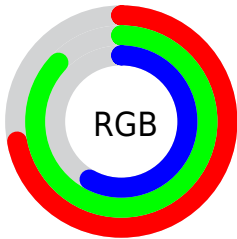
Format	Color
RYB	148, 222, 186
Decimal	12115604
CIELab	84.26, -25.24, 32.33
CIELCh	84, 41.016, 127.987
Yxy	64.5710, 0.3336, 0.4204
Android (android.graphics.Color)	4290305684 (0xFFB8DE94)
YUV	202.2020, -26.7216, -15.9632
Hunter-Lab	80.3561, -26.8145, 28.3736

Details

The XYZ color **51.2337, 64.5710, 37.7801** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.0271, 36.8947, 73.9117**, and the grayscale version is **56.4277, 59.3664, 64.6500**.

A 20% lighter version of the original color is **82.8151, 94.5326, 70.3817**, and **25.1360, 33.2278, 16.1551** is the 20% darker color. If you saturate the color by 10%, you get **47.0208, 62.5851, 29.2735**, and if you desaturate by 10%, it is **56.0071, 66.8109, 48.0747**.

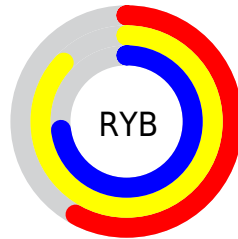
Distribution



Red (72%)

Green (87%)

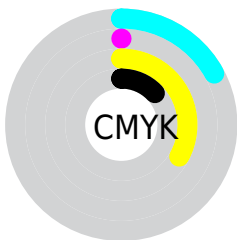
Blue (58%)



Red (58%)

Yellow (87%)

Blue (73%)

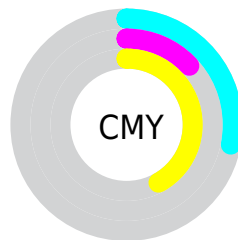


Cyan (17%)

Magenta (0%)

Yellow (33%)

Black (13%)



Cyan (28%)


Magenta (13%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2337, 64.5710, 37.7801 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 51.2337, 64.5710, 37.7801 by changing the saturation by 10% instead.


 51.2337, 64.5710,
37.7801


 51.2337, 64.5710,
37.7801


381.8438,
441.2487, 351.9456

 36.6164, 47.1133,
25.5116


 91.1811, 111.4329,
72.9706

 25.0830, 33.1252,
16.2361


 117.2419,
141.6058, 96.7297

 16.2679, 22.2224,
9.5352


147.8479,
176.7860, 125.1561

 9.8060, 14.0204,
4.9904

183.3645,
217.3577, 158.6682

 5.3318, 8.1349,
2.1830

224.1570,
263.7055, 197.6847

 2.4800, 4.1814,
0.6645


270.5909,

 0.8852, 1.7755,


316.2137, 242.6240


0.0000


323.0313,
375.2666, 293.9048


 0.0000, 0.4719,
0.0000


 0.0000, 0.0000,
0.0000


 51.2337, 64.5710,
37.7801


 51.2337, 64.5710,
37.7801


 47.0208, 62.5851,
29.2735


 56.0071, 66.8109,
48.0747


 43.3390, 60.8343,
22.4487

 61.3589, 69.3059,
60.2472

 40.1632, 59.3101,
17.1948

 67.3120, 72.0681,
74.3861

 37.4640, 58.0001,
13.3855

 73.8867, 75.1060,
90.5735

■ 35.2081, 56.8904,
10.8755

■ 80.4505, 78.1672,
105.4553

■ 33.3559, 55.9643,
9.4886

■ 84.4653, 80.2369,
105.6432

■ 32.3061, 55.4329,
8.9969

■ 85.4126, 80.7252,
105.6875

Harmonies

Analogous

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



58.9766, 64.5710, 31.4802



51.2337, 64.5710, 37.7801



46.5561, 64.5710, 53.1679

Triad

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



51.2337, 64.5710, 37.7801



55.0534, 64.5710, 127.6578



80.3549, 64.5710, 63.5799

Complementary

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



51.2337, 64.5710, 37.7801



44.0271, 36.8947, 73.9117

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.



79.0404, 64.5710, 90.7821



51.2337, 64.5710, 37.7801



63.8330, 64.5710, 132.4233

Square

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



51.2337, 64.5710, 37.7801



48.6050, 64.5710, 105.8258



72.7684, 64.5710, 117.5855



76.2010, 64.5710, 43.7842

Rectangle

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



51.2337, 64.5710, 37.7801



45.5133, 64.5710, 68.5636



72.7684, 64.5710, 117.5855



80.5450, 64.5710, 72.0794

Sweetspot

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



51.2353, 64.5738, 37.7815



86.5579, 96.0654, 88.4757



52.8209, 52.3680, 35.3420



18.2861, 20.4501, 18.3712



0.0000, 0.0000, 0.0000



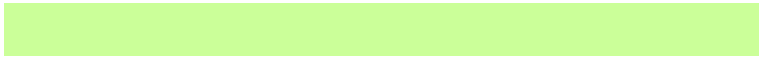
20.3446, 21.4041, 23.3091

Same Dimension

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



51.2353, 64.5738, 37.7815



66.0342, 86.4627, 43.3456



43.6812, 60.6795, 37.4280



14.1603, 15.6628, 14.5837



19.3156, 32.9901, 5.3497



1.4420, 2.3398, 0.3756

Inverse Universe

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



44.0271, 36.8947, 73.9117



54.7238, 43.0361, 100.0303



53.9015, 41.9851, 74.3738



13.6200, 13.5876, 17.2925



12.0831, 5.3244, 41.4392



0.9408, 0.4223, 2.8772

Previews

White Background



This preview shows how the XYZ color 51.2337, 64.5710, 37.7801 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 51.2337, 64.5710, 37.7801 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

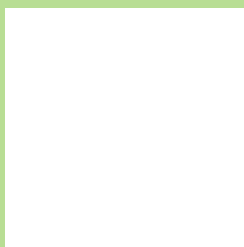
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.2337, 64.5710, 37.7801

Background



This preview shows how black text looks on a background with the XYZ color 51.2337, 64.5710, 37.7801.

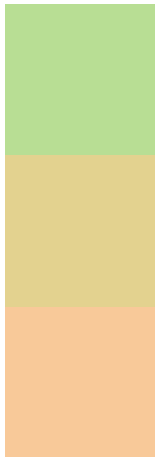


This preview shows how white text looks on a background with the XYZ color 51.2337, 64.5710,

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

51.2337, 64.5710, 37.7801

Protanopia

59.6831, 64.4073, 35.2728

Deuteranopia

65.3478, 64.0297, 39.0517



Tritanopia

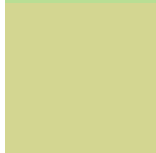
60.4513, 64.4799, 83.3885

Trichromacy



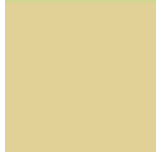
Original Color

51.2337, 64.5710, 37.7801



Protanomaly

56.0214, 63.9864, 36.1860



Deuteranomaly

59.4377, 63.8428, 38.4684



Tritanomaly

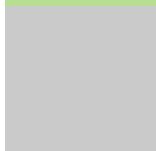
56.7194, 64.4883, 64.1016

Monochromacy



Original Color

51.2337, 64.5710, 37.7801



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.7496, 60.5804, 53.1163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2337, 64.5710, 37.7801 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(184, 222, 148)` looks like.

```
.text, #text, p{  
    color:rgb(184, 222, 148)  
}
```

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(184, 222, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 222, 148) }
```

Border

The CSS property to change the border of an element to XYZ 51.2337, 64.5710, 37.7801 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(184, 222, 148) }
```


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

```
.border{ border-color:rgb(184, 222, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 222, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 222, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 222, 148);  
box-shadow:4px 4px 4px 4px rgb(184, 222,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2337, 64.5710, 37.7801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 222, 148) }
```

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

```
.background{ background-color: rgb(184,  
222, 148) }
```

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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