

Converting Colors

XYZ(64.5912, 73.1504, 51.7644)

Have a look what the booklet for
XYZ(64.5912, 73.1504, 51.7644)
contains.

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Color

**XYZ(64.5190, 73.1328,
51.7898)**

Conversions

Conversions Part 1

Format	Color
Hex	DBE3B0
RGB	219, 227, 176
RGB Percent	86%, 89%, 69%
CMY	0.1412, 0.1098, 0.3098
CMYK	0.04, 0.00, 0.22, 0.11
HSL	69°, 48%, 79%
HSV	69°, 22%, 89%
XYZ	64.5190, 73.1328, 51.7898
YIQ	218.7940, 11.6030, -17.5570

Conversions

Conversions Part 2

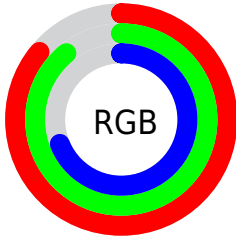
Format	Color
RYB	176, 227, 184
Decimal	14410672
CIELab	88.51, -11.05, 24.07
CIELCh	89, 26.487, 114.661
Yxy	73.1328, 0.3406, 0.3860
Android (android.graphics.Color)	4292600752 (0xFFD8E3B0)
YUV	218.7940, -21.0974, 0.1807
Hunter-Lab	85.5177, -14.9864, 23.9562

Details

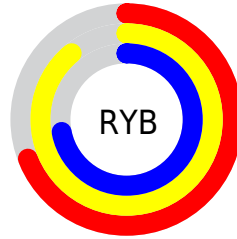
The XYZ color **64.5190, 73.1328, 51.7898** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.1604, 46.7890, 79.1172**, and the grayscale version is **67.3267, 70.8330, 77.1371**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **33.6375, 38.8276, 24.4605** is the 20% darker color. If you saturate the color by 10%, you get **61.3984, 71.7645, 40.8836**, and if you desaturate by 10%, it is **68.0420, 74.6696, 64.6784**.

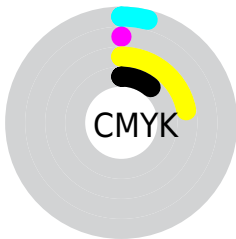
Distribution



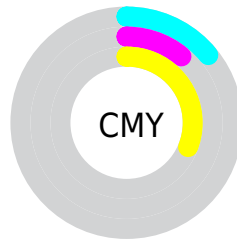
- Red (86%)
- Green (89%)
- Blue (69%)



- Red (69%)
- Yellow (89%)
- Blue (72%)



- Cyan (4%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)



- Cyan (14%)
- Magenta (11%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5190, 73.1328, 51.7898 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 64.5190, 73.1328, 51.7898 by changing the saturation by 10% instead.

64.5190, 73.1328,
51.7898

64.5190, 73.1328,
51.7898

430.6340,
471.4749, 410.5584

47.3344, 54.0846,
36.4565

110.4276,
123.6657, 94.2446

33.5092, 38.6693,
24.4945

139.8823,
155.9192, 122.2031

22.6779, 26.5025,
15.4852

174.1578,
193.3432, 155.2071

14.4752, 17.2000,
9.0102

213.6194,
236.3221, 193.6752

8.5358, 10.3772,
4.6510

258.6325,
285.2403, 238.0258

4.4943, 5.6497,
1.9888

309.5624,

1.9854, 2.6333,

340.4823, 288.6775

0.5484

366.7744,
402.4324, 346.0489

■ 0.6258, 0.9434,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.5190, 73.1328,
51.7898

■ 64.5190, 73.1328,
51.7898

■ 61.3984, 71.7645,
40.8836

■ 68.0420, 74.6696,
64.6784

■ 58.6558, 70.5476,
31.8567

■ 71.9791, 76.3723,
79.6361

■ 56.2725, 69.4770,
24.6041

■ 76.3489, 78.2507,
96.7503

■ 54.2261, 68.5438,
19.0083

■ 79.2071, 79.5272,
105.7834

■ 52.4916, 67.7379,
14.9377

■ 80.3837, 80.1338,
105.8384

■ 51.0400, 67.0478,
12.2410

■ 81.5840, 80.7525,
105.8946

■ 49.8365, 66.4595,
10.7356

■ 82.8080, 81.3835,
105.9519

■ 49.0517, 66.0666,
10.1668

■ 84.0559, 82.0268,
106.0103

■ 85.3278, 82.6825,
106.0698

Harmonies

Analogous

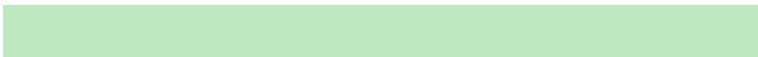
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.6577, 73.1328, 49.5335



64.5190, 73.1328, 51.7898



59.9805, 73.1328, 60.9959

Triad

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



64.5190, 73.1328, 51.7898



62.6569, 73.1328, 111.8467



82.4473, 73.1328, 82.9415

Complementary

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



64.5190, 73.1328, 51.7898



49.1604, 46.7890, 79.1172

Split Complementary

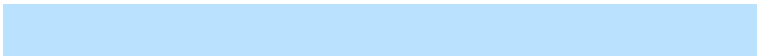
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0001, 73.1328, 101.7164



64.5190, 73.1328, 51.7898



68.3759, 73.1328, 119.9592

Square

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



64.5190, 73.1328, 51.7898



58.9524, 73.1328, 95.1981



74.7531, 73.1328, 115.9950



81.2596, 73.1328, 65.8576

Rectangle

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



64.5190, 73.1328, 51.7898



58.3438, 73.1328, 70.6966



74.7531, 73.1328, 115.9950



82.0183, 73.1328, 89.2842

Sweetspot

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



64.5209, 73.1360, 51.7914



91.2848, 98.3757, 94.4129



56.5853, 53.6032, 48.4394



19.4720, 21.0276, 19.9547



0.0000, 0.0000, 0.0000



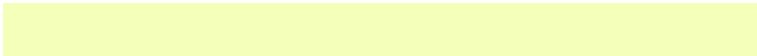
20.3446, 21.4041, 23.3091

Same Dimension

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



64.5209, 73.1360, 51.7914



82.0146, 94.3394, 60.4247



57.5177, 69.5258, 51.4636



15.3678, 16.6967, 15.3173



28.6873, 38.5703, 5.9328



2.1799, 2.8812, 0.4412

Inverse Universe

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



49.1604, 46.7890, 79.1172



58.6549, 54.2654, 101.9906



55.7298, 50.1756, 79.4246



13.7924, 13.9952, 18.1187



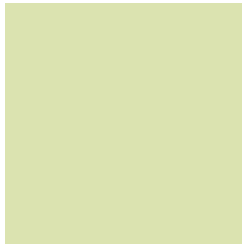
8.5655, 3.4816, 42.6037



0.6977, 0.2907, 3.1513

Previews

White Background



This preview shows how the XYZ color 64.5190, 73.1328, 51.7898 looks on a white background.

Color Contrast Check

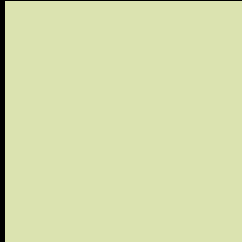
Large Text (above 18pt) WCAG AA × Fail

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 64.5190, 73.1328, 51.7898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

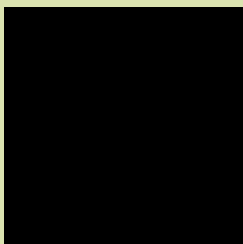
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

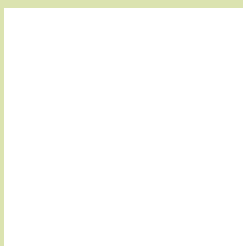
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.5190, 73.1328, 51.7898

Background



This preview shows how black text looks on a background with the XYZ color 64.5190, 73.1328, 51.7898.

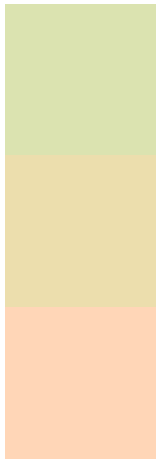


This preview shows how white text looks on a background with the XYZ color 64.5190, 73.1328, 51.7898.

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

64.5190, 73.1328, 51.7898

Protanopia

68.2562, 73.0925, 50.0460

Deuteranopia

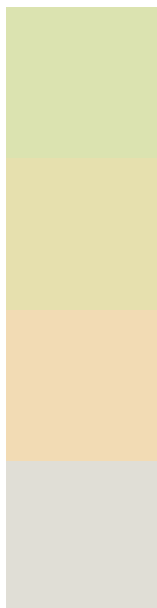
73.8338, 72.7720, 54.9547



Tritanopia

72.1504, 73.0501, 89.6542

Trichromacy



Original Color

64.5190, 73.1328, 51.7898

Protanomaly

66.9288, 73.1903, 50.6440

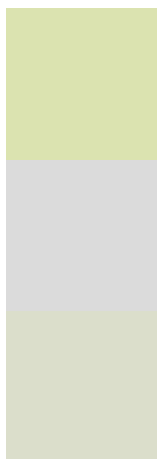
Deuteranomaly

70.1877, 72.8356, 53.5394

Tritanomaly

68.9993, 72.9449, 74.0614

Monochromacy



Original Color

64.5190, 73.1328, 51.7898

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.1142, 71.6144, 66.8383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5190, 73.1328, 51.7898 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(219, 227, 176)` looks like.

```
.text, #text, p{  
    color:rgb(219, 227, 176)  
}
```

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(219, 227, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 227, 176) }
```

Border

The CSS property to change the border of an element to XYZ 64.5190, 73.1328, 51.7898 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(219, 227, 176) }
```


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

```
.border{ border-color:rgb(219, 227, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 227, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 227, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 227, 176); box-shadow:4px 4px 4px 4px rgb(219, 227, 176) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5190, 73.1328, 51.7898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 227, 176) }
```

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

```
.background{ background-color: rgb(219,  
227, 176) }
```

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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