

Converting Colors

XYZ(64.2233, 72.9140, 49.8801)

Have a look what the booklet for
XYZ(64.2233, 72.9140, 49.8801)
contains.

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Color

**XYZ(64.1289, 72.9768,
49.7357)**

Conversions

Conversions Part 1

Format	Color
Hex	DBE3AC
RGB	219, 227, 172
RGB Percent	86%, 89%, 67%
CMY	0.1412, 0.1098, 0.3255
CMYK	0.04, 0.00, 0.24, 0.11
HSL	69°, 50%, 78%
HSV	69°, 24%, 89%
XYZ	64.1289, 72.9768, 49.7357
YIQ	218.3380, 12.8870, -18.8010

Conversions

Conversions Part 2

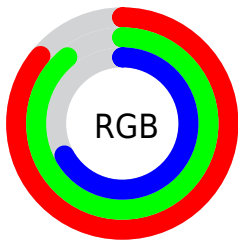
Format	Color
RYB	172, 227, 180
Decimal	14410668
CIELab	88.44, -11.62, 26.04
CIELCh	88, 28.510, 114.050
Yxy	72.9768, 0.3432, 0.3906
Android (android.graphics.Color)	4292600748 (0xFFDBE3AC)
YUV	218.3380, -22.8446, 0.5806
Hunter-Lab	85.4265, -15.4979, 25.2796

Details

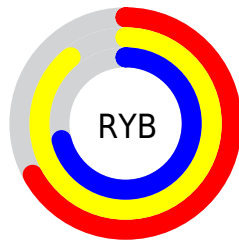
The XYZ color **64.1289, 72.9768, 49.7357** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.4429, 44.7563, 78.8154**, and the grayscale version is **67.0220, 70.5124, 76.7880**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **33.3921, 38.7295, 23.1683** is the 20% darker color. If you saturate the color by 10%, you get **61.1489, 71.6736, 39.1716**, and if you desaturate by 10%, it is **67.5049, 74.4456, 62.2652**.

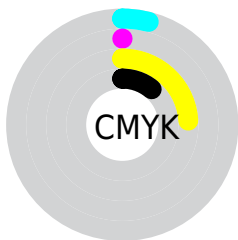
Distribution



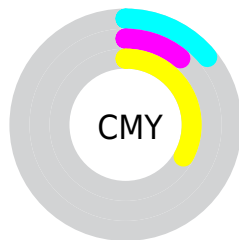
- Red (86%)
- Green (89%)
- Blue (67%)



- Red (67%)
- Yellow (89%)
- Blue (71%)



- Cyan (4%)
- Magenta (0%)
- Yellow (24%)
- Black (11%)



- Cyan (14%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1289, 72.9768, 49.7357 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 64.1289, 72.9768, 49.7357 by changing the saturation by 10% instead.

■ 64.1289, 72.9768,
49.7357

■ 64.1289, 72.9768,
49.7357

429.2498,
470.9344, 402.3369

■ 47.0172, 53.9570,
34.8337

■ 109.8692,
123.4443, 91.1754

■ 33.2572, 38.5673,
23.2523

139.2286,
155.6607, 118.5503

■ 22.4837, 26.4233,
14.5729

173.4011,
193.0449, 150.9198

■ 14.3314, 17.1406,
8.3769

212.7523,
235.9811, 188.7026

■ 8.4347, 10.3348,
4.2458

257.6473,
284.8537, 232.3171

■ 4.4285, 5.6215,
1.7612

308.4517,

■ 1.9473, 2.6163,

340.0472, 282.1820

0.4021

365.5308,
401.9460, 338.7157

■ 0.6041, 0.9349,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.1289, 72.9768,
49.7357

■ 64.1289, 72.9768,
49.7357

■ 61.1489, 71.6736,
39.1716

■ 67.5049, 74.4456,
62.2652

■ 58.5402, 70.5187,
30.4686


■ 71.2888, 76.0775,
76.8480


■ 56.2840, 69.5070,
23.5199


■ 75.4992, 77.8822,
93.5724


■ 54.3574, 68.6294,
18.2058


■ 78.8694, 79.3532,
105.7676


 52.7347, 67.8757,
14.3918


 79.9534, 79.9120,
105.8183


 51.3864, 67.2338,
11.9221

 81.0576, 80.4812,
105.8700

 50.2761, 66.6894,
10.6066

 82.1822, 81.0610,
105.9226

 49.7105, 66.4063,
10.1977

 83.3273, 81.6513,
105.9762

 84.4930, 82.2523,
106.0308

Harmonies

Analogous

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



70.7375, 72.9768, 47.5208



64.1289, 72.9768, 49.7357



59.2312, 72.9768, 59.2967

Triad

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



64.1289, 72.9768, 49.7357



61.9093, 72.9768, 114.0973



83.3132, 72.9768, 83.4366

Complementary

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



64.1289, 72.9768, 49.7357



47.4429, 44.7563, 78.8154

Split Complementary

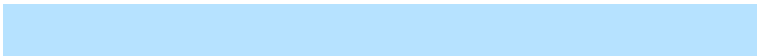
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5873, 72.9768, 103.7415



64.1289, 72.9768, 49.7357



68.0050, 72.9768, 123.2216

Square

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



64.1289, 72.9768, 49.7357



58.0100, 72.9768, 95.8547



74.8729, 72.9768, 119.1501



82.1066, 72.9768, 65.0490

Rectangle

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



64.1289, 72.9768, 49.7357



57.4467, 72.9768, 69.5320



74.8729, 72.9768, 119.1501



82.8211, 72.9768, 90.2892

Sweetspot

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



64.1308, 72.9800, 49.7373



91.3587, 98.4138, 94.4164



55.3144, 51.6854, 46.0917



19.4891, 21.0364, 19.9555



0.0000, 0.0000, 0.0000



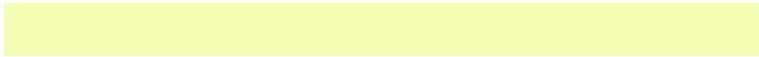
20.3446, 21.4041, 23.3091

Same Dimension

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



64.1308, 72.9800, 49.7373



81.4963, 94.1339, 57.6173



56.6985, 69.1486, 49.3894



15.3846, 16.7053, 15.3181



29.0668, 38.7660, 5.9506



2.2045, 2.8938, 0.4424

Inverse Universe

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



47.4429, 44.7563, 78.8154



56.2748, 51.4701, 101.5765



54.3056, 48.2942, 79.1366



13.7770, 13.9873, 18.1180



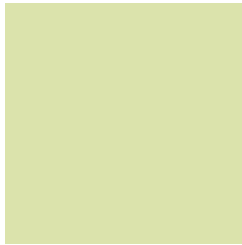
8.5116, 3.4538, 42.6012



0.6905, 0.2869, 3.1510

Previews

White Background



This preview shows how the XYZ color 64.1289, 72.9768, 49.7357 looks on a white background.

Color Contrast Check

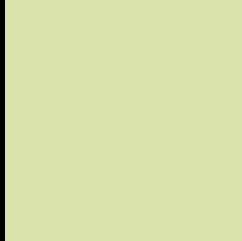
Large Text (above 18pt) WCAG AA × Fail

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 64.1289, 72.9768, 49.7357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

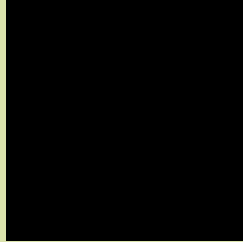
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

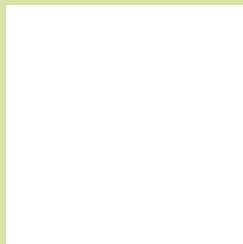
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1289, 72.9768, 49.7357

Background



This preview shows how black text looks on a background with the XYZ color 64.1289, 72.9768, 49.7357.



This preview shows how white text looks on a background with the XYZ color 64.1289, 72.9768,

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

64.1289, 72.9768, 49.7357

Protanopia

67.9429, 72.5820, 47.9649

Deuteranopia

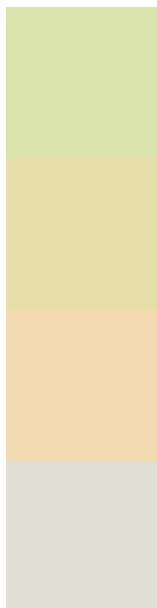
73.6271, 72.6893, 53.8659



Tritanopia

72.4667, 73.2131, 89.6690

Trichromacy



Original Color

64.1289, 72.9768, 49.7357

Protanomaly

66.2765, 72.5006, 48.5311

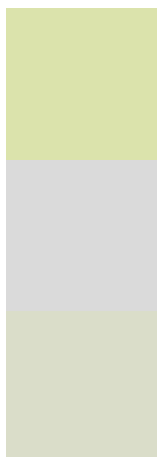
Deuteranomaly

69.9853, 72.7546, 52.4739

Tritanomaly

69.1829, 73.0542, 73.4053

Monochromacy



Original Color

64.1289, 72.9768, 49.7357

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.3125, 70.8354, 65.4886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1289, 72.9768, 49.7357 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(219, 227, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 227, 172) }
```

Border

The CSS property to change the border of an element to XYZ 64.1289, 72.9768, 49.7357 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, 172) }
```


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

```
.border{ border-color:rgb(219, 227, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 227, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 227, 172);  
box-shadow:4px 4px 4px 4px rgb(219, 227,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1289, 72.9768, 49.7357 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, 172) }
```

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

```
.background{ background-color: rgb(219,  
227, 172) }
```

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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