

Converting Colors

XYZ(64.9821, 71.8331, 56.1087)

Have a look what the booklet for
XYZ(64.9821, 71.8331, 56.1087)
contains.

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Color

**XYZ(64.9634, 71.6503,
56.3049)**

Conversions

Conversions Part 1

Format	Color
Hex	DDDFB9
RGB	221, 223, 185
RGB Percent	87%, 87%, 73%
CMY	0.1333, 0.1255, 0.2745
CMYK	0.01, 0.00, 0.17, 0.13
HSL	63°, 37%, 80%
HSV	63°, 17%, 87%
XYZ	64.9634, 71.6503, 56.3049
YIQ	218.0700, 11.0060, -12.2420

Conversions

Conversions Part 2

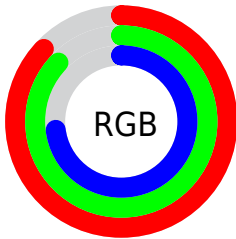
Format	Color
RYB	185, 223, 187
Decimal	14540729
CIELab	87.80, -6.98, 18.43
CIELCh	88, 19.712, 110.740
Yxy	71.6503, 0.3367, 0.3714
Android (android.graphics.Color)	4292730809 (0xFFDDDFB9)
YUV	218.0700, -16.3035, 2.5696
Hunter-Lab	84.6465, -11.1385, 19.8142

Details

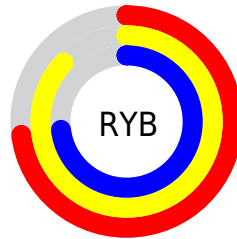
The XYZ color **64.9634, 71.6503, 56.3049** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.1646, 50.5924, 76.8847**, and the grayscale version is **66.7940, 70.2725, 76.5268**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **33.8934, 37.7782, 27.3353** is the 20% darker color. If you saturate the color by 10%, you get **62.4353, 70.6002, 44.8467**, and if you desaturate by 10%, it is **67.8672, 72.8557, 69.7111**.

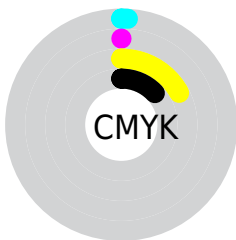
Distribution



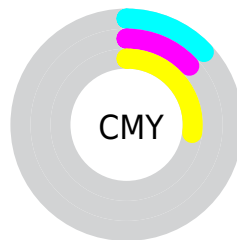
- Red (87%)
- Green (87%)
- Blue (73%)



- Red (73%)
- Yellow (87%)
- Blue (73%)



- Cyan (1%)
- Magenta (0%)
- Yellow (17%)
- Black (13%)



- Cyan (13%)
- Magenta (13%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9634, 71.6503, 56.3049 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 64.9634, 71.6503, 56.3049 by changing the saturation by 10% instead.

■ 64.9634, 71.6503,
56.3049

■ 64.9634, 71.6503,
56.3049

432.2077,
466.3235, 428.2601

■ 47.6960, 52.8731,
40.0418

■ 111.0632,
121.5592, 100.9405

■ 33.7964, 37.7014,
27.2571

140.6264,
153.4597, 130.1500

■ 22.8994, 25.7511,
17.5323

175.0188,
190.5034, 164.5121

■ 14.6395, 16.6375,
10.4488

214.6059,
233.0746, 204.4454

■ 8.6515, 9.9764,
5.5880

259.7530,
281.5579, 250.3682

■ 4.5698, 5.3833,
2.5315

310.8254,

■ 2.0293, 2.4739,

336.3375, 302.6993

0.8568

368.1885,
397.7979, 361.8570

■ 0.6503, 0.8635,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.9634, 71.6503,
56.3049

■ 64.9634, 71.6503,
56.3049

■ 62.4353, 70.6002,
44.8467

■ 67.8672, 72.8557,
69.7111

■ 60.2599, 69.6891,
35.2415


■ 71.1569, 74.2135,
85.1452


■ 58.4206, 68.9127,
27.3932


■ 74.8497, 75.7327,
102.6882


■ 56.8972, 68.2630,
21.1953


■ 75.7114, 76.1198,
105.3099

 55.6673, 67.7309,
16.5298


 76.0810, 76.3103,
105.3272


 54.7055, 67.3064,
13.2631

 76.4531, 76.5022,
105.3446


 53.9820, 66.9775,
11.2386

 76.8278, 76.6953,
105.3622

 53.4581, 66.7287,
10.2518

 77.2051, 76.8898,
105.3798

 53.3219, 66.6627,
10.0568

 77.5848, 77.0856,
105.3976

Harmonies

Analogous

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



69.5602, 71.6503, 55.2379



64.9634, 71.6503, 56.3049



61.3671, 71.6503, 62.8119

Triad

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



64.9634, 71.6503, 56.3049



62.5625, 71.6503, 99.7255



77.3772, 71.6503, 82.2372

Complementary

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



64.9634, 71.6503, 56.3049



51.1646, 50.5924, 76.8847

Split Complementary

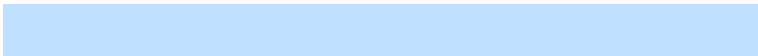
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.3113, 71.6503, 95.4924



64.9634, 71.6503, 56.3049



66.6633, 71.6503, 106.3237

Square

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



64.9634, 71.6503, 56.3049



60.0257, 71.6503, 87.5046



71.3390, 71.6503, 104.6917



76.8709, 71.6503, 69.2376

Rectangle

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



64.9634, 71.6503, 56.3049



59.9526, 71.6503, 69.8169



71.3390, 71.6503, 104.6917



76.9571, 71.6503, 86.8310

Sweetspot

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



64.9653, 71.6535, 56.3064



92.8175, 99.0785, 98.4335



56.9399, 54.6908, 53.4553



19.8019, 21.1801, 20.7661



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.



64.9653, 71.6535, 56.3064



86.9161, 96.6329, 71.1978



59.5315, 68.8522, 56.0521



14.7966, 15.9908, 14.6135



31.3816, 39.2103, 5.9144



2.1974, 2.7293, 0.4110

Inverse Universe

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



51.1646, 50.5924, 76.8847



65.2887, 63.6266, 103.4478



56.0963, 53.1348, 77.1155



13.0186, 13.2776, 17.2644



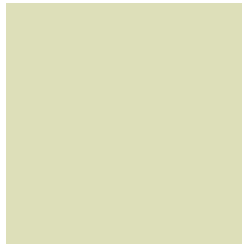
7.9477, 3.1925, 41.2457



0.5748, 0.2336, 2.8600

Previews

White Background



This preview shows how the XYZ color 64.9634, 71.6503, 56.3049 looks on a white background.

Color Contrast Check

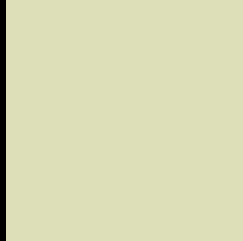
Large Text (above 18pt) WCAG AA × Fail

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 64.9634, 71.6503, 56.3049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

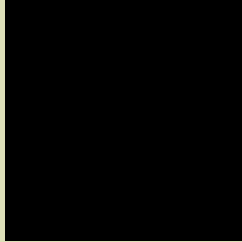
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

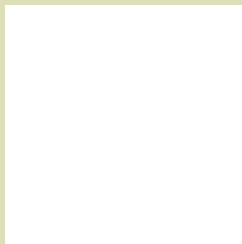
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.9634, 71.6503, 56.3049

Background



This preview shows how black text looks on a background with the XYZ color 64.9634, 71.6503, 56.3049.



This preview shows how white text looks on a background with the XYZ color 64.9634, 71.6503,

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

64.9634, 71.6503, 56.3049

Protanopia

67.4192, 71.7611, 55.0977

Deuteranopia

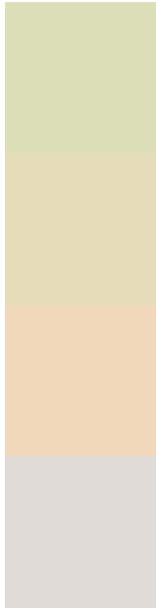
73.0211, 71.5575, 56.9771



Tritanopia

71.2588, 71.4889, 87.1338

Trichromacy



Original Color

64.9634, 71.6503, 56.3049

Protanomaly

66.5031, 71.6676, 55.6755

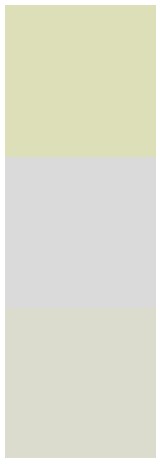
Deuteranomaly

69.6944, 71.3577, 56.5545

Tritanomaly

68.7775, 71.6285, 75.1665

Monochromacy



Original Color

64.9634, 71.6503, 56.3049

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.9472, 70.7027, 68.5637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9634, 71.6503, 56.3049 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(221, 223, 185)` looks like.

```
.text, #text, p{  
    color:rgb(221, 223, 185)  
}
```

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(221, 223, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 223, 185) }
```

Border

The CSS property to change the border of an element to XYZ 64.9634, 71.6503, 56.3049 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(221, 223, 185) }
```


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

```
.border{ border-color:rgb(221, 223, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 223, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 223, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 223, 185);  
box-shadow:4px 4px 4px 4px rgb(221, 223,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9634, 71.6503, 56.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 223, 185) }
```

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

```
.background{ background-color: rgb(221,  
223, 185) }
```

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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