

Converting Colors

XYZ(64.3452, 69.9307, 56.8360)

Have a look what the booklet for
XYZ(64.3452, 69.9307, 56.8360)
contains.

XYZ(64.3186, 69.7378, 56.5252)	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(64.3186, 69.7378,
56.5252)**

Conversions

Conversions Part 1

Format	Color
Hex	DEDBBA
RGB	222, 219, 186
RGB Percent	87%, 86%, 73%
CMY	0.1294, 0.1412, 0.2706
CMYK	0.00, 0.01, 0.16, 0.13
HSL	55°, 35%, 80%
HSV	55°, 16%, 87%
XYZ	64.3186, 69.7378, 56.5252
YIQ	216.1350, 12.3810, -9.6270

Conversions

Conversions Part 2

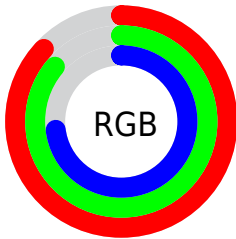
Format	Color
RYB	189, 222, 186
Decimal	14605242
CIELab	86.87, -4.43, 16.62
CIELCh	87, 17.198, 104.912
Yxy	69.7378, 0.3375, 0.3659
Android (android.graphics.Color)	4292795322 (0xFFDEDBBA)
YUV	216.1350, -14.8566, 5.1436
Hunter-Lab	83.5092, -8.6607, 18.3245

Details

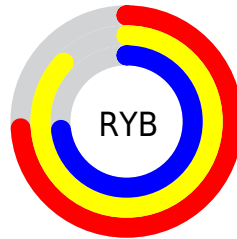
The XYZ color **64.3186, 69.7378, 56.5252** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.6319, 52.1071, 76.4440**, and the grayscale version is **65.4560, 68.8648, 74.9937**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **33.4454, 36.4599, 27.4650** is the 20% darker color. If you saturate the color by 10%, you get **61.6611, 67.9104, 44.8863**, and if you desaturate by 10%, it is **67.3519, 71.7287, 70.1000**.

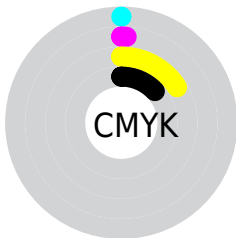
Distribution



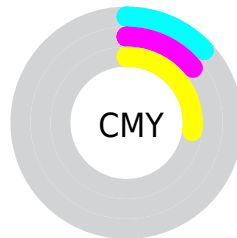
- Red (87%)
- Green (86%)
- Blue (73%)



- Red (74%)
- Yellow (87%)
- Blue (73%)



- Cyan (0%)
- Magenta (1%)
- Yellow (16%)
- Black (13%)



- Cyan (13%)
- Magenta (14%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3186, 69.7378, 56.5252 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 64.3186, 69.7378, 56.5252 by changing the saturation by 10% instead.

■ 64.3186, 69.7378,
56.5252

■ 64.3186, 69.7378,
56.5252

429.9233,
459.6288, 429.1116

■ 47.1714, 51.3128,
40.2173

■ 110.1408,
118.8348, 101.2655

■ 33.3797, 36.4576,
27.3930

139.5466,
150.2755, 130.5350

■ 22.5781, 24.7878,
17.6335

173.7692,
186.8237, 164.9622

■ 14.4013, 15.9190,
10.5205

213.1741,
228.8636, 204.9656

■ 8.4838, 9.4669,
5.6353

258.1266,
276.7797, 250.9636

■ 4.4605, 5.0469,
2.5594

308.9920,

■ 1.9658, 2.2748,

330.9563, 303.3750

0.8714

366.1358,
391.7779, 362.6181

■ 0.6146, 0.7603,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.3186, 69.7378,
56.5252

■ 64.3186, 69.7378,
56.5252

■ 61.6611, 67.9104,
44.8863

■ 67.3519, 71.7287,
70.1000

■ 59.3569, 66.2305,
35.0900

■ 70.7713, 73.8803,
85.6895

■ 57.3897, 64.6939,
27.0419

■ 74.5934, 76.2017,
103.3733

■ 55.7395, 63.2927,
20.6375

■ 75.4778, 77.3565,
105.5609

■ 54.3845, 62.0179,
15.7612

■ 75.9839, 78.3687,
105.7296

■ 53.2998, 60.8596,
12.2822

■ 76.4954, 79.3918,
105.9002

■ 52.4563, 59.8063,
10.0480

■ 77.0124, 80.4258,
106.0725

■ 51.8180, 58.8433,
8.8681

■ 77.5349, 81.4707,
106.2466

■ 51.6060, 58.4929,
8.5703

■ 78.0628, 82.5265,
106.4226

Harmonies

Analogous

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



68.3116, 69.7378, 56.5396



64.3186, 69.7378, 56.5252



60.9860, 69.7378, 61.3391

Triad

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



64.3186, 69.7378, 56.5252



60.9702, 69.7378, 92.6200



74.0130, 69.7378, 81.8286

Complementary

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



64.3186, 69.7378, 56.5252



51.6319, 52.1071, 76.4440

Split Complementary

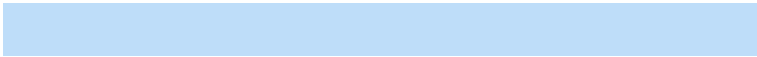
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.8796, 69.7378, 92.6745



64.3186, 69.7378, 56.5252



64.2963, 69.7378, 99.3192

Square

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



64.3186, 69.7378, 56.5252



59.1065, 69.7378, 81.7600



68.2884, 69.7378, 99.3401



74.0196, 69.7378, 70.3889

Rectangle

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



64.3186, 69.7378, 56.5252



59.5410, 69.7378, 66.9466



68.2884, 69.7378, 99.3401



73.5171, 69.7378, 85.6887

Sweetspot

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



64.3205, 69.7409, 56.5267



92.7271, 98.5309, 98.3325



56.8691, 54.3225, 55.6331



19.7799, 21.0465, 20.7415



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.



64.3205, 69.7409, 56.5267



86.9351, 94.7181, 72.4439



60.7170, 69.0536, 56.5840



14.7691, 15.8242, 14.5827



30.6926, 34.8232, 5.1039



2.1566, 2.4721, 0.3635

Inverse Universe

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



51.6319, 52.1071, 76.4440



66.8468, 66.8012, 103.9784



54.8319, 52.8102, 76.4110



13.0432, 13.4256, 17.2916



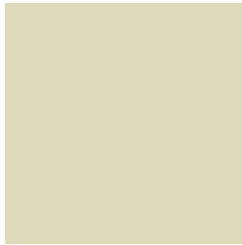
7.9973, 3.4641, 41.2955



0.5866, 0.3046, 2.8731

Previews

White Background



This preview shows how the XYZ color 64.3186, 69.7378, 56.5252 looks on a white background.

Color Contrast Check

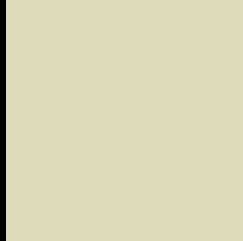
Large Text (above 18pt) WCAG AA × Fail

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 64.3186, 69.7378, 56.5252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

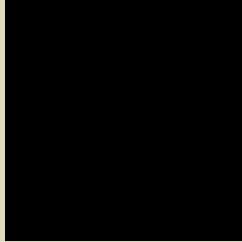
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

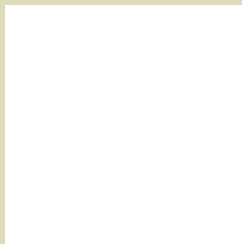
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.3186, 69.7378, 56.5252

Background



This preview shows how black text looks on a background with the XYZ color 64.3186, 69.7378, 56.5252.



This preview shows how white text looks on a background with the XYZ color 64.3186, 69.7378,

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

64.3186, 69.7378, 56.5252

Protanopia

65.8829, 69.7865, 55.8967

Deuteranopia

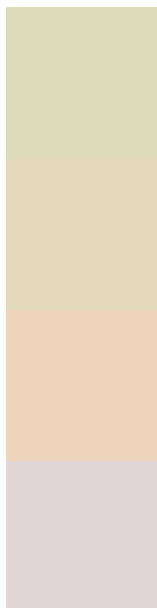
70.9445, 69.3715, 57.2278



Tritanopia

70.0721, 69.7957, 84.6416

Trichromacy



Original Color

64.3186, 69.7378, 56.5252

Protanomaly

65.1924, 69.8143, 55.9384

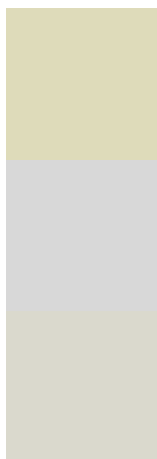
Deuteranomaly

68.3605, 69.5271, 56.8308

Tritanomaly

67.8021, 69.6247, 73.4837

Monochromacy



Original Color

64.3186, 69.7378, 56.5252

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.7457, 68.9389, 67.6517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3186, 69.7378, 56.5252 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(222, 219, 186)` looks like.

```
.text, #text, p{  
    color:rgb(222, 219, 186)  
}
```

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(222, 219, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 219, 186) }
```

Border

The CSS property to change the border of an element to XYZ 64.3186, 69.7378, 56.5252 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(222, 219, 186) }
```


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

```
.border{ border-color:rgb(222, 219, 186) }
```

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

Here you see how a box with a 4 pixel rgb(222, 219, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 219, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 219, 186);  
box-shadow:4px 4px 4px 4px rgb(222, 219,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3186, 69.7378, 56.5252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 219, 186) }
```

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

```
.background{ background-color: rgb(222,  
219, 186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor