

Converting Colors

XYZ(64.2233, 70.1432, 62.5996)

Have a look what the booklet for
XYZ(64.2233, 70.1432, 62.5996)
contains.

XYZ(64.4355, 70.4501, 62.4267)	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(64.4355, 70.4501,
62.4267)**

Conversions

Conversions Part 1

Format	Color
Hex	D9DDC4
RGB	217, 221, 196
RGB Percent	85%, 87%, 77%
CMY	0.1490, 0.1333, 0.2314
CMYK	0.02, 0.00, 0.11, 0.13
HSL	70°, 27%, 82%
HSV	70°, 11%, 87%
XYZ	64.4355, 70.4501, 62.4267
YIQ	216.9540, 5.6410, -8.6230

Conversions

Conversions Part 2

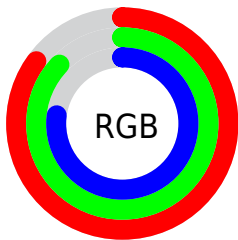
Format	Color
RYB	196, 221, 200
Decimal	14278084
CIELab	87.22, -5.66, 11.81
CIELCh	87, 13.099, 115.623
Yxy	70.4501, 0.3266, 0.3570
Android (android.graphics.Color)	4292468164 (0xFFD9DDC4)
YUV	216.9540, -10.3303, 0.0403
Hunter-Lab	83.9346, -9.8533, 14.6570

Details

The XYZ color **64.4355, 70.4501, 62.4267** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.6133, 56.9816, 76.4250**, and the grayscale version is **65.9893, 69.4258, 75.6047**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **33.4190, 36.9068, 30.9535** is the 20% darker color. If you saturate the color by 10%, you get **61.0628, 68.9831, 50.0907**, and if you desaturate by 10%, it is **68.2052, 72.0831, 76.7185**.

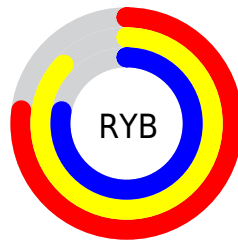
Distribution



Red (85%)

Green (87%)

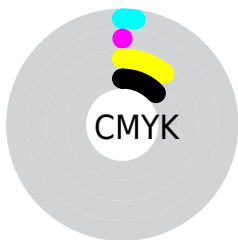
Blue (77%)



Red (77%)

Yellow (87%)

Blue (78%)

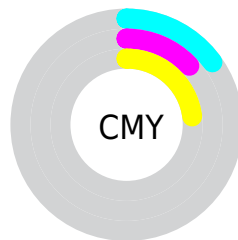


Cyan (2%)

Magenta (0%)

Yellow (11%)

Black (13%)



Cyan (15%)

Magenta (13%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4355, 70.4501, 62.4267 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 64.4355, 70.4501, 62.4267 by changing the saturation by 10% instead.

■ 64.4355, 70.4501,
62.4267

■ 64.4355, 70.4501,
62.4267

430.3380,
462.1288, 451.5364

■ 47.2665, 51.8936,
44.9396

110.3081,
119.8504, 109.9196

■ 33.4552, 36.9202,
31.0672

139.7424,
151.4630, 140.7624

■ 22.6363, 25.1457,
20.3911

173.9959,
188.1963, 176.8941

■ 14.4444, 16.1857,
12.4928

213.4339,
230.4349, 218.7334

■ 8.5142, 9.6556,
6.9536

258.4217,
278.5630, 266.6987

■ 4.4802, 5.1712,
3.3551

309.3248,

■ 1.9772, 2.3481,

332.9651, 321.2086

1.2787

366.5084,
394.0256, 382.6817

■ 0.6211, 0.7990,
0.0442

■ 0.0000, 0.0000,
0.0000

■ 64.4355, 70.4501,
62.4267

■ 64.4355, 70.4501,
62.4267

■ 61.0628, 68.9831,
50.0907

■ 68.2052, 72.0831,
76.7185

■ 58.0652, 67.6664,
39.6208

■ 72.3814, 73.8791,
93.0413

■ 55.4269, 66.4960,
30.9274

■ 75.7821, 75.3675,
105.1610

■ 53.1292, 65.4644,
23.9116

■ 76.9142, 75.9511,
105.2140

■ 51.1513, 64.5632,
18.4647

■ 78.0693, 76.5466,
105.2680

■ 49.4698, 63.7832,
14.4653

■ 79.2477, 77.1541,
105.3232

■ 48.0584, 63.1137,
11.7744

■ 80.4494, 77.7736,
105.3794

■ 46.8853, 62.5420,
10.2257

■ 81.6747, 78.4052,
105.4367

■ 46.0130, 62.1061,
9.5625

■ 82.9236, 79.0491,
105.4952

Harmonies

Analogous

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



67.4131, 70.4501, 61.0284



64.4355, 70.4501, 62.4267



62.1970, 70.4501, 67.5361

Triad

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



64.4355, 70.4501, 62.4267



63.6764, 70.4501, 91.5545



73.0326, 70.4501, 78.0083

Complementary

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



64.4355, 70.4501, 62.4267



56.6133, 56.9816, 76.4250

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.



71.9616, 70.4501, 86.6753



64.4355, 70.4501, 62.4267



66.5103, 70.4501, 94.8669

Square

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



64.4355, 70.4501, 62.4267



61.7683, 70.4501, 84.2687



69.5510, 70.4501, 93.0169



72.4363, 70.4501, 69.6140

Rectangle

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



64.4355, 70.4501, 62.4267



61.3934, 70.4501, 72.5787



69.5510, 70.4501, 93.0169



72.8548, 70.4501, 80.9914

Sweetspot

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



64.4374, 70.4532, 62.4282



93.3933, 99.2854, 102.5208



60.3814, 60.5525, 60.7310



19.8971, 21.2110, 21.5880



0.0000, 0.0000, 0.0000



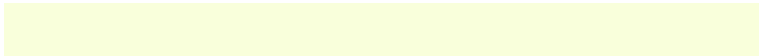
20.3446, 21.4041, 23.3091

Same Dimension

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



64.4374, 70.4532, 62.4282



87.7534, 96.8420, 81.2924



60.9306, 68.6454, 62.2641



13.9468, 15.1528, 13.9153



26.8087, 36.1179, 5.5585



1.7928, 2.3688, 0.3627

Inverse Universe

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



56.6133, 56.9816, 76.4250



74.5166, 74.0501, 104.9734



60.0169, 58.7362, 76.5843



12.5320, 12.7168, 16.4462



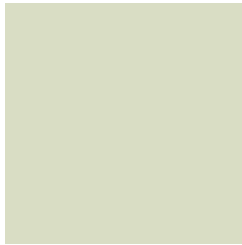
8.0542, 3.2763, 39.9463



0.5832, 0.2439, 2.5908

Previews

White Background



This preview shows how the XYZ color 64.4355, 70.4501, 62.4267 looks on a white background.

Color Contrast Check

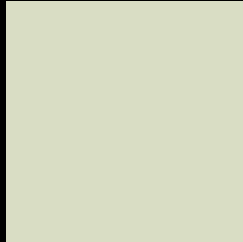
Large Text (above 18pt) WCAG AA × Fail

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 64.4355, 70.4501, 62.4267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

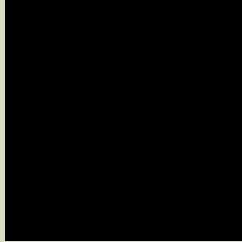
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

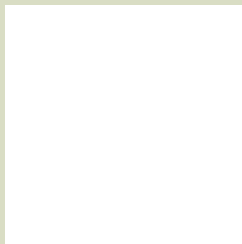
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.4355, 70.4501, 62.4267

Background



This preview shows how black text looks on a background with the XYZ color 64.4355, 70.4501, 62.4267.



This preview shows how white text looks on a background with the XYZ color 64.4355, 70.4501,

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

64.4355, 70.4501, 62.4267

Protanopia

66.8039, 70.5318, 61.1320

Deuteranopia

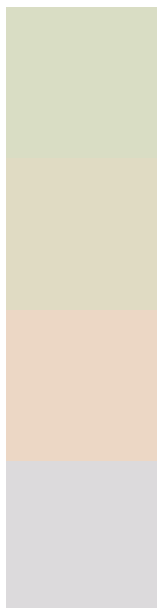
71.8451, 70.4399, 63.2357



Tritanopia

69.3880, 70.5245, 87.0462

Trichromacy



Original Color

64.4355, 70.4501, 62.4267

Protanomaly

65.9223, 70.4505, 61.7536

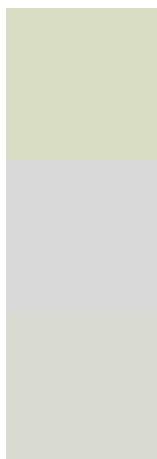
Deuteranomaly

68.9706, 70.4650, 62.7893

Tritanomaly

67.5049, 70.5258, 77.7651

Monochromacy



Original Color

64.4355, 70.4501, 62.4267

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.1953, 69.4980, 70.2999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4355, 70.4501, 62.4267 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(217, 221, 196) looks like.

```
.text, #text, p{  
    color:rgb(217, 221, 196)  
}
```

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(217, 221, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 221, 196) }
```

Border

The CSS property to change the border of an element to XYZ 64.4355, 70.4501, 62.4267 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(217, 221, 196) }
```


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

```
.border{ border-color:rgb(217, 221, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 221, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 221, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 221, 196);  
box-shadow:4px 4px 4px 4px rgb(217, 221,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4355, 70.4501, 62.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 221, 196) }
```

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

```
.background{ background-color: rgb(217,  
221, 196) }
```

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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