

Converting Colors

XYZ(63.2641, 70.1786, 50.0679)

Have a look what the booklet for
XYZ(63.2641, 70.1786, 50.0679)
contains.

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Color

**XYZ(63.3152, 70.1410,
50.2459)**

Conversions

Conversions Part 1

Format	Color
Hex	DDDDAE
RGB	221, 221, 174
RGB Percent	87%, 87%, 68%
CMY	0.1333, 0.1333, 0.3176
CMYK	0.00, 0.00, 0.21, 0.13
HSL	60°, 41%, 77%
HSV	60°, 21%, 87%
XYZ	63.3152, 70.1410, 50.2459
YIQ	215.6420, 15.0870, -14.6170

Conversions

Conversions Part 2

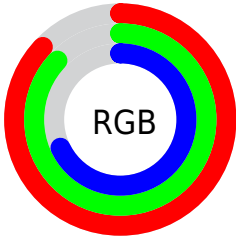
Format	Color
RYB	174, 221, 174
Decimal	14540206
CIELab	87.07, -7.57, 23.15
CIELCh	87, 24.355, 108.117
Yxy	70.1410, 0.3447, 0.3818
Android (android.graphics.Color)	4292730286 (0xFFDDDDAE)
YUV	215.6420, -20.5295, 4.6990
Hunter-Lab	83.7502, -11.6168, 23.0542

Details

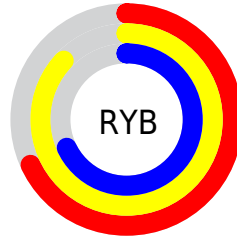
The XYZ color **63.3152, 70.1410, 50.2459** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.6454, 44.4931, 74.5927**, and the grayscale version is **65.1562, 68.5494, 74.6503**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **32.8133, 36.7599, 23.4551** is the 20% darker color. If you saturate the color by 10%, you get **61.3356, 69.3515, 39.8169**, and if you desaturate by 10%, it is **65.6531, 71.0786, 62.5450**.

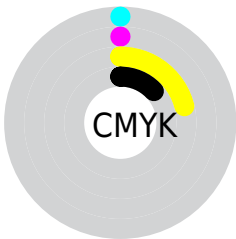
Distribution



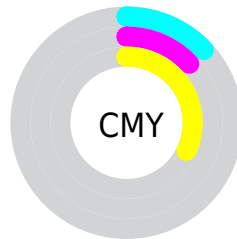
- Red (87%)
- Green (87%)
- Blue (68%)



- Red (68%)
- Yellow (87%)
- Blue (68%)



- Cyan (0%)
- Magenta (0%)
- Yellow (21%)
- Black (13%)



- Cyan (13%)
- Magenta (13%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3152, 70.1410, 50.2459 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 63.3152, 70.1410, 50.2459 by changing the saturation by 10% instead.

■ 63.3152, 70.1410,
50.2459

■ 63.3152, 70.1410,
50.2459

426.3540,
461.0449, 404.3894

■ 46.3559, 51.6415,
35.2363

■ 108.7034,
119.4098, 91.9392

■ 32.7325, 36.7194,
23.5599

137.8629,
150.9479, 119.4599

■ 22.0799, 24.9903,
14.7983

171.8199,
187.6010, 151.9880

■ 14.0325, 16.0698,
8.5329

210.9397,
229.7534, 189.9422

■ 8.2252, 9.5736,
4.3452

255.5877,
277.7897, 233.7408

■ 4.2924, 5.1172,
1.8166

306.1291,

■ 1.8688, 2.3162,

332.0941, 283.8026

0.4388

362.9295,
393.0510, 340.5459

■ 0.5586, 0.7822,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.3152, 70.1410,
50.2459

■ 63.3152, 70.1410,
50.2459

■ 61.3356, 69.3515,
39.8169

■ 65.6531, 71.0786,
62.5450

■ 59.6913, 68.6937,
31.1622

■ 68.3598, 72.1614,
76.7946

■ 58.3655, 68.1633,
24.1845

■ 71.4523, 73.3985,
93.0761

■ 57.3376, 67.7520,
18.7752

■ 73.7297, 74.3095,
105.0649

■ 56.5845, 67.4507,
14.8131

■ 73.7305, 74.3099,
105.0650

■ 56.0798, 67.2487,
12.1591

■ 73.7312, 74.3103,
105.0650

■ 55.7919, 67.1335,
10.6470

■ 73.7319, 74.3106,
105.0650

■ 55.6712, 67.0851,
10.0145

■ 73.7326, 74.3110,
105.0651

■ 73.7333, 74.3114,
105.0651

Harmonies

Analogous

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



68.9502, 70.1410, 49.5802



63.3152, 70.1410, 50.2459



58.8324, 70.1410, 57.2675

Triad

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



63.3152, 70.1410, 50.2459



59.6116, 70.1410, 102.2169



77.9823, 70.1410, 83.0217

Complementary

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



63.3152, 70.1410, 50.2459



45.6454, 44.4931, 74.5927

Split Complementary

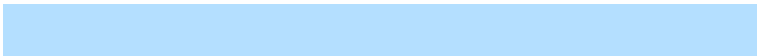
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.1678, 70.1410, 99.3121



63.3152, 70.1410, 50.2459



64.4346, 70.1410, 111.4054

Square

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



63.3152, 70.1410, 50.2459



56.7796, 70.1410, 86.5583



70.1349, 70.1410, 110.2724



77.6401, 70.1410, 67.0173

Rectangle

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



63.3152, 70.1410, 50.2459



57.0013, 70.1410, 65.2557



70.1349, 70.1410, 110.2724



77.3677, 70.1410, 88.6832

Sweetspot

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



63.3170, 70.1441, 50.2474



92.6830, 99.0531, 96.4389



52.5971, 48.7019, 46.6736



19.7853, 21.1804, 20.3647



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.



63.3170, 70.1441, 50.2474



86.1502, 96.4398, 62.0477



56.6562, 66.7103, 49.9357



14.1621, 15.2638, 13.9254



32.3385, 38.9686, 5.8173



2.0951, 2.5246, 0.3769

Inverse Universe

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



45.6454, 44.4931, 74.5927



57.0968, 54.2676, 102.0731



51.3464, 47.4320, 74.8595



12.3389, 12.6173, 16.4372



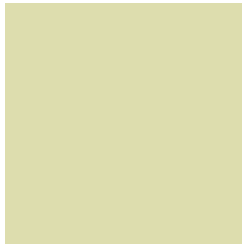
7.5818, 3.0328, 39.9242



0.4912, 0.1965, 2.5865

Previews

White Background



This preview shows how the XYZ color 63.3152, 70.1410, 50.2459 looks on a white background.

Color Contrast Check

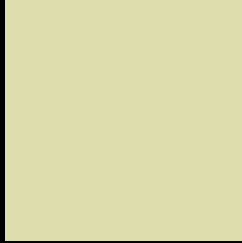
Large Text (above 18pt) WCAG AA × Fail

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 63.3152, 70.1410, 50.2459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

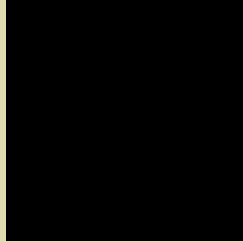
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

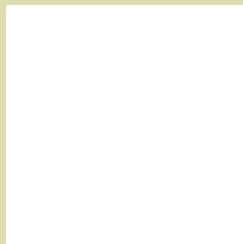
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3152, 70.1410, 50.2459

Background



This preview shows how black text looks on a background with the XYZ color 63.3152, 70.1410, 50.2459.



This preview shows how white text looks on a background with the XYZ color 63.3152, 70.1410,

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

63.3152, 70.1410, 50.2459

Protanopia

65.7965, 70.2772, 49.1267

Deuteranopia

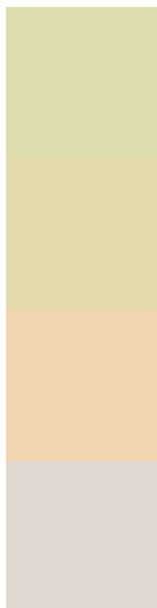
71.1450, 69.6182, 50.7622



Tritanopia

70.0721, 69.7957, 84.6416

Trichromacy



Original Color

63.3152, 70.1410, 50.2459

Protanomaly

64.8693, 70.1741, 49.6612

Deuteranomaly

67.8077, 69.3844, 50.3761

Tritanomaly

67.2401, 69.7724, 70.8963

Monochromacy



Original Color

63.3152, 70.1410, 50.2459

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.5275, 69.2653, 65.2269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3152, 70.1410, 50.2459 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, 221, 174)` looks like.

```
.text, #text, p{  
    color:rgb(221, 221, 174)  
}
```

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, 221, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 221, 174) }
```

Border

The CSS property to change the border of an element to XYZ 63.3152, 70.1410, 50.2459 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, 221, 174) }
```


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

```
.border{ border-color:rgb(221, 221, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 221, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 221, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 221, 174); box-shadow:4px 4px 4px 4px rgb(221, 221, 174) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3152, 70.1410, 50.2459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 221, 174) }
```

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

```
.background{ background-color: rgb(221,  
221, 174) }
```

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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