

# Converting Colors

XYZ(63.3829, 69.9665, 52.4777)

Have a look what the booklet for  
XYZ(63.3829, 69.9665, 52.4777)  
contains.

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# Color

**XYZ(63.4075, 70.1429,  
52.3165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCDDB2
RGB	220, 221, 178
RGB Percent	86%, 87%, 70%
CMY	0.1373, 0.1333, 0.3020
CMYK	0.00, 0.00, 0.19, 0.13
HSL	61°, 39%, 78%
HSV	61°, 19%, 87%
XYZ	63.4075, 70.1429, 52.3165
YIQ	215.7990, 13.2070, -13.5850

# Conversions

## Conversions Part 2

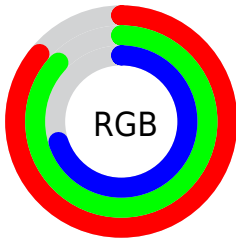
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 221, 179
Decimal	14474674
CIELab	87.07, -7.37, 21.05
CIELCh	87, 22.305, 109.281
Yxy	70.1429, 0.3411, 0.3774
Android (android.graphics.Color)	4292664754 (0xFFDCDDB2)
YUV	215.7990, -18.6349, 3.6843
Hunter-Lab	83.7514, -11.4239, 21.5896

# Details

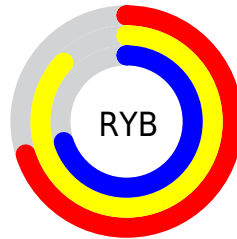
The XYZ color **63.4075, 70.1429, 52.3165** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.5647, 46.6469, 74.9074**, and the grayscale version is **65.2515, 68.6497, 74.7595**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **32.8549, 36.7524, 24.7643** is the 20% darker color. If you saturate the color by 10%, you get **61.2095, 69.2481, 41.5488**, and if you desaturate by 10%, it is **65.9672, 71.1872, 64.9701**.

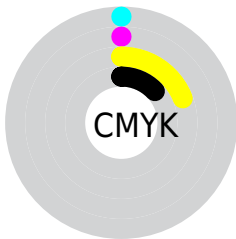
# Distribution



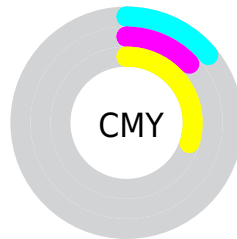
- Red (86%)
- Green (87%)
- Blue (70%)



- Red (70%)
- Yellow (87%)
- Blue (70%)



- Cyan (0%)
- Magenta (0%)
- Yellow (19%)
- Black (13%)




- Cyan (14%)
- Magenta (13%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4075, 70.1429, 52.3165 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 63.4075, 70.1429, 52.3165 by changing the saturation by 10% instead.




 63.4075, 70.1429,  
52.3165

 63.4075, 70.1429,  
52.3165


426.6831,  
461.0516, 412.6489

 46.4308, 51.6430,  
36.8734


 108.8357,  
119.4125, 95.0292

 32.7920, 36.7206,  
24.8145


138.0180,  
150.9511, 123.1359

 22.1256, 24.9913,  
15.7211


171.9995,  
187.6046, 156.3008

 14.0664, 16.0705,  
9.1748

211.1456,  
229.7576, 194.9426

 8.2488, 9.5741,  
4.7570

255.8216,  
277.7944, 239.4798

 4.3077, 5.1175,  
2.0492

306.3930,

 1.8777, 2.3164,

332.0994, 290.3309

0.5853

363.2250,  
393.0570, 347.9144

■ 0.5638, 0.7823,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.4075, 70.1429,  
52.3165

■ 63.4075, 70.1429,  
52.3165

■ 61.2095, 69.2481,  
41.5488

■ 65.9672, 71.1872,  
64.9701

■ 59.3507, 68.4865,  
32.5726


■ 68.8990, 72.3781,  
79.5890


■ 57.8143, 67.8541,  
25.2919


■ 72.2198, 73.7246,  
96.2537


■ 56.5801, 67.3425,  
19.6001


■ 74.0526, 74.4760,  
105.0801

 55.6256, 66.9429,  
15.3785


 74.2111, 74.5577,  
105.0875

 54.9251, 66.6450,  
12.4919


 74.3702, 74.6397,  
105.0949


 54.4482, 66.4365,  
10.7802

 74.5297, 74.7220,  
105.1024

 54.1443, 66.2973,  
9.9773

 74.6897, 74.8044,  
105.1099

 54.1295, 66.2904,  
9.9424

 74.8502, 74.8872,  
105.1174

# Harmonies

## Analogous

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



68.5540, 70.1429, 51.4577



63.4075, 70.1429, 52.3165



59.3436, 70.1429, 59.1067

# Triad

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



63.4075, 70.1429, 52.3165



60.3300, 70.1429, 100.3106



77.0303, 70.1429, 81.8486

# Complementary

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



63.4075, 70.1429, 52.3165



47.5647, 46.6469, 74.9074

# Split Complementary

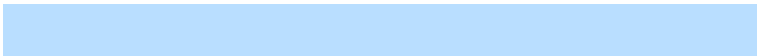
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.5731, 70.1429, 96.7132



63.4075, 70.1429, 52.3165



64.8184, 70.1429, 108.2598

# Square

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



63.4075, 70.1429, 52.3165



57.6321, 70.1429, 86.2692



70.0399, 70.1429, 106.8636



76.6038, 70.1429, 67.2654



# Rectangle

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



63.4075, 70.1429, 52.3165



57.7103, 70.1429, 66.6441



70.0399, 70.1429, 106.8636



76.5093, 70.1429, 87.0069

# Sweetspot

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



63.4093, 70.1460, 52.3180



92.5522, 98.9857, 96.4327



53.9203, 50.7150, 49.0676



19.7543, 21.1644, 20.3632



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.



63.4093, 70.1460, 52.3180



86.5011, 96.5224, 66.5053



57.3907, 67.0433, 52.0363



14.1306, 15.2476, 13.9239



31.4571, 38.5142, 5.7760



2.0477, 2.5002, 0.3747



# Inverse Universe

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



47.5647, 46.6469, 74.9074



61.0842, 58.8258, 102.7428



52.8510, 49.3721, 75.1547



12.3667, 12.6316, 16.4385



7.6323, 3.0588, 39.9265

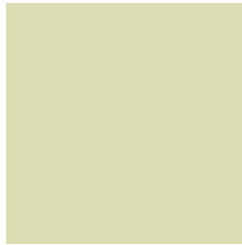


0.5046, 0.2034, 2.5871



# Previews

## White Background



This preview shows how the XYZ color 63.4075, 70.1429, 52.3165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

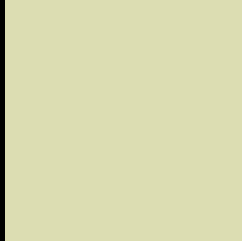
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.4075, 70.1429, 52.3165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

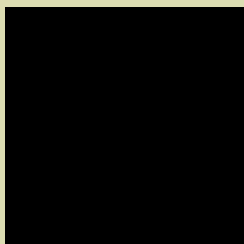
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

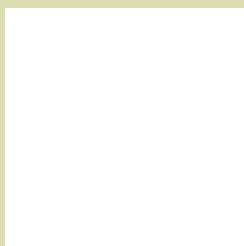
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.4075, 70.1429, 52.3165

## Background



This preview shows how black text looks on a background with the XYZ color 63.4075, 70.1429, 52.3165.



This preview shows how white text looks on a background with the XYZ color 63.4075, 70.1429,



# 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

63.4075, 70.1429, 52.3165

### Protanopia

65.8629, 70.2663, 51.1657

### Deuteranopia

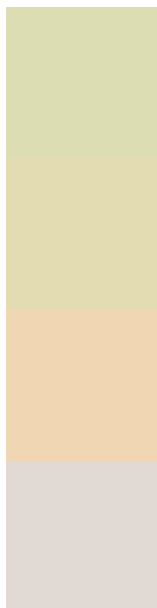
71.4297, 70.0839, 52.9428



## Tritanopia

70.1489, 70.1935, 85.4528

# Trichromacy



## Original Color

63.4075, 70.1429, 52.3165

## Protanomaly

64.9459, 70.1683, 51.7158

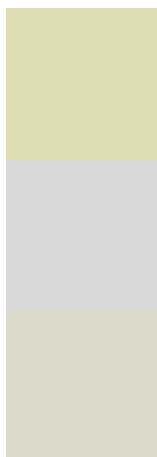
## Deuteranomaly

68.1184, 69.8731, 52.5444

## Tritanomaly

67.4370, 70.2265, 72.2881

# Monochromacy



## Original Color

63.4075, 70.1429, 52.3165

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

64.3473, 69.1588, 65.8346

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.4075, 70.1429, 52.3165 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(220, 221, 178)` looks like.

```
.text, #text, p{  
    color:rgb(220, 221, 178)  
}
```

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(220, 221, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 221, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 63.4075, 70.1429, 52.3165 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(220, 221, 178) }
```



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

```
.border{ border-color:rgb(220, 221, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 221, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 221, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 221, 178);  
box-shadow:4px 4px 4px 4px rgb(220, 221,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.4075, 70.1429, 52.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 221, 178) }
```

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

```
.background{ background-color: rgb(220,  
221, 178) }
```

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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