

Converting Colors

XYZ(50.2335, 50.2722, 37.6188)

Have a look what the booklet for
XYZ(50.2335, 50.2722, 37.6188)
contains.

XYZ(50.2068, 50.3462, 37.6435)	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(50.2068, 50.3462,
37.6435)**

Conversions

Conversions Part 1

Format	Color
Hex	D5B79A
RGB	213, 183, 154
RGB Percent	84%, 72%, 60%
CMY	0.1647, 0.2823, 0.3961
CMYK	0.00, 0.14, 0.28, 0.16
HSL	29°, 41%, 72%
HSV	29°, 28%, 84%
XYZ	50.2068, 50.3462, 37.6435
YIQ	188.6640, 27.1890, -2.6590

Conversions

Conversions Part 2

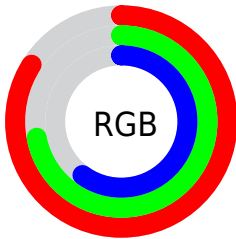
Format	Color
RYB	213, 211, 154
Decimal	14006170
CIELab	76.28, 6.42, 18.74
CIElCh	76, 19.805, 71.089
Yxy	50.3462, 0.3633, 0.3643
Android (android.graphics.Color)	4292196250 (0xFFD5B79A)
YUV	188.6640, -17.0894, 21.3427
Hunter-Lab	70.9551, 2.1327, 18.2137

Details

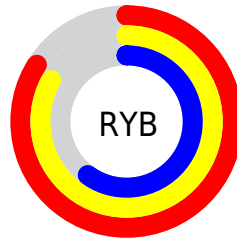
The XYZ color **50.2068, 50.3462, 37.6435** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.4768, 45.9538, 69.5822**, and the grayscale version is **48.2626, 50.7760, 55.2950**.

A 20% lighter version of the original color is **83.4917, 87.5471, 72.1723**, and **24.5314, 24.2136, 16.2127** is the 20% darker color. If you saturate the color by 10%, you get **46.4398, 45.4036, 28.3985**, and if you desaturate by 10%, it is **54.4631, 55.7630, 48.6058**.

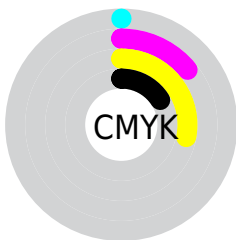
Distribution



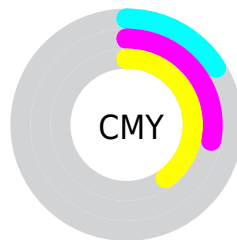
- Red (84%)
- Green (72%)
- Blue (60%)



- Red (84%)
- Yellow (83%)
- Blue (60%)



- Cyan (0%)
- Magenta (14%)
- Yellow (28%)
- Black (16%)





- Cyan (16%)
- Magenta (28%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2068, 50.3462, 37.6435 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 50.2068, 50.3462, 37.6435 by changing the saturation by 10% instead.


 50.2068, 50.3462,
37.6435

 50.2068, 50.3462,
37.6435


377.9127,
388.0183, 351.3404

 35.7962, 35.6886,
25.4064

 89.6712, 90.6876,
72.7587

 24.4462, 24.1938,
16.1584


 115.4557,
117.1402, 96.4740

 15.7915, 15.4774,
9.4807


145.7623,
148.2931, 124.8524

 9.4666, 9.1551,
4.9550

180.9562,
184.5309, 158.3125

 5.1063, 4.8425,
2.1626

221.4028,
226.2380, 197.2728

 2.3452, 2.1552,
0.6527

267.4676,

 0.8176, 0.6954,

273.7986, 242.1518

0.0000

319.5158,
327.5972, 293.3682

■ 0.0000, 0.0000,
0.0000

■ 50.2068, 50.3462,
37.6435

■ 50.2068, 50.3462,
37.6435

■ 46.4398, 45.4036,
28.3985

■ 54.4631, 55.7630,
48.6058

■ 43.1377, 40.9141,
20.7787

■ 59.2240, 61.6609,
61.3646

■ 40.2797, 36.8646,
14.6882

■ 64.5086, 68.0549,
75.9982

■ 37.8415, 33.2390,
10.0193

■ 70.3342, 74.9576,
92.5790

■ 35.7958, 30.0193,
6.6503

■ 75.8183, 82.0215,
106.4434

■ 34.1115, 27.1860,
4.4387

■ 79.0516, 88.4881,
107.5212

■ 32.7464, 24.7146,
3.1852

■ 81.2507, 92.8862,
108.2542

■ 32.4628, 24.1905,
2.9583

Harmonies

Analogous

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



53.4446, 50.3462, 42.4351



50.2068, 50.3462, 37.6435



46.4910, 50.3462, 37.0837

Triad

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



50.2068, 50.3462, 37.6435



41.1753, 50.3462, 58.8506



52.7057, 50.3462, 71.7400

Complementary

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



50.2068, 50.3462, 37.6435



42.4768, 45.9538, 69.5822

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.



49.2405, 50.3462, 77.4610



50.2068, 50.3462, 37.6435



42.6649, 50.3462, 69.4032

Square

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



50.2068, 50.3462, 37.6435



41.4040, 50.3462, 48.4478



45.5731, 50.3462, 76.5544



54.9381, 50.3462, 61.7245

Rectangle

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



50.2068, 50.3462, 37.6435



44.2557, 50.3462, 39.0901



45.5731, 50.3462, 76.5544



51.6391, 50.3462, 74.2843

Sweetspot

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



50.2081, 50.3485, 37.6445



88.7178, 92.3154, 91.4373



47.6991, 40.7390, 50.9634



18.7467, 19.4617, 18.9127



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.



50.2081, 50.3485, 37.6445



72.1744, 71.3907, 48.4289



56.8213, 63.5748, 39.8489



12.9223, 13.4188, 13.0697



19.9315, 14.9802, 1.8410



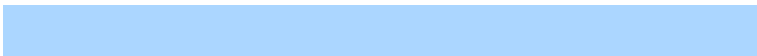
1.2849, 1.0690, 0.1386

Inverse Universe

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



42.4768, 45.9538, 69.5822



58.7654, 63.7681, 103.8189



37.0559, 35.1120, 67.7752



12.2593, 13.0420, 15.8087



10.7333, 9.7283, 39.7652



0.7302, 0.7523, 2.4260

Previews

White Background



This preview shows how the XYZ color 50.2068, 50.3462, 37.6435 looks on a white background.

Color Contrast Check

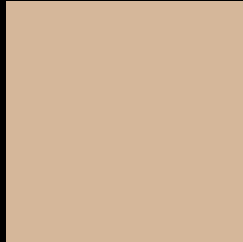
Large Text (above 18pt) WCAG AA × Fail

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 50.2068, 50.3462, 37.6435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

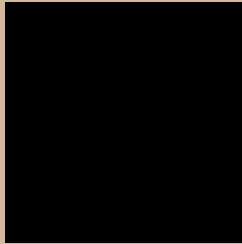
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.2068, 50.3462, 37.6435

Background



This preview shows how black text looks on a background with the XYZ color 50.2068, 50.3462, 37.6435.



This preview shows how white text looks on a background with the XYZ color 50.2068, 50.3462,

37.6435.

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

50.2068, 50.3462, 37.6435

Protanopia

47.5372, 50.5089, 38.6962

Deuteranopia

51.2701, 50.2863, 37.5758



Tritanopia

54.0501, 50.3983, 56.7483

Trichromacy



Original Color

50.2068, 50.3462, 37.6435

Protanomaly

48.3771, 50.3217, 38.1737

Deuteranomaly

50.8796, 50.3879, 37.6160

Tritanomaly

52.6760, 50.4558, 49.0821

Monochromacy



Original Color

50.2068, 50.3462, 37.6435

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.8955, 50.6810, 48.2796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2068, 50.3462, 37.6435 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(213, 183, 154)` looks like.

```
.text, #text, p{  
    color:rgb(213, 183, 154)  
}
```

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(213, 183, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 183, 154) }
```

Border

The CSS property to change the border of an element to XYZ 50.2068, 50.3462, 37.6435 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(213, 183, 154) }
```


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

```
.border{ border-color:rgb(213, 183, 154) }
```

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

Here you see how a box with a 4 pixel rgb(213, 183, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 183, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 183, 154);  
box-shadow:4px 4px 4px 4px rgb(213, 183,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2068, 50.3462, 37.6435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 183, 154) }
```

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

```
.background{ background-color: rgb(213,  
183, 154) }
```

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