

Converting Colors

XYZ(65.1241, 76.3034, 49.2271)

Have a look what the booklet for
XYZ(65.1241, 76.3034, 49.2271)
contains.

XYZ(65.2938, 76.4996, 49.3548)	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(65.2938, 76.4996,
49.3548)**

Conversions

Conversions Part 1

Format	Color
Hex	D9EAAA
RGB	217, 234, 170
RGB Percent	85%, 92%, 67%
CMY	0.1490, 0.0823, 0.3333
CMYK	0.07, 0.00, 0.27, 0.08
HSL	76°, 60%, 79%
HSV	76°, 27%, 92%
XYZ	65.2938, 76.4996, 49.3548
YIQ	221.6210, 10.4120, -23.5080

Conversions

Conversions Part 2

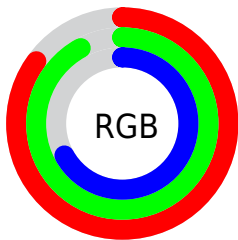
Format	Color
RYB	170, 234, 187
Decimal	14281386
CIELab	90.09, -16.11, 29.28
CIElCh	90, 33.420, 118.817
Yxy	76.4996, 0.3416, 0.4002
Android (android.graphics.Color)	4292471466 (0xFFD9EAAA)
YUV	221.6210, -25.4492, -4.0526
Hunter-Lab	87.4640, -19.8080, 27.7683

Details

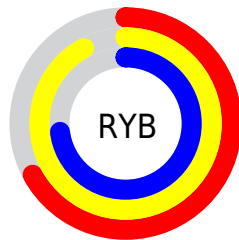
The XYZ color **65.2938, 76.4996, 49.3548** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.7225, 45.2568, 83.9609**, and the grayscale version is **69.3341, 72.9449, 79.4370**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **34.0316, 40.8065, 22.9124** is the 20% darker color. If you saturate the color by 10%, you get **61.4616, 74.7598, 38.6309**, and if you desaturate by 10%, it is **69.5937, 78.4397, 62.1604**.

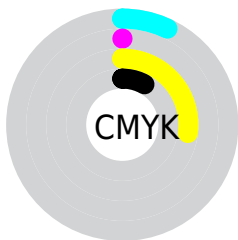
Distribution



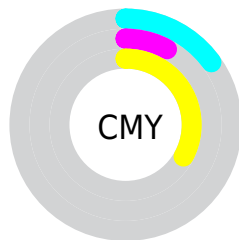
- Red (85%)
- Green (92%)
- Blue (67%)



- Red (67%)
- Yellow (92%)
- Blue (73%)



- Cyan (7%)
- Magenta (0%)
- Yellow (27%)
- Black (8%)



- Cyan (15%)
- Magenta (8%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2938, 76.4996, 49.3548 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 65.2938, 76.4996, 49.3548 by changing the saturation by 10% instead.

65.2938, 76.4996,
49.3548

65.2938, 76.4996,
49.3548

433.3756,
483.0562, 400.8000

47.9649, 56.8423,
34.5334

111.5355,
128.4329, 90.6046

34.0103, 40.8786,
23.0230

141.1791,
161.4776, 117.8701

23.0644, 28.2243,
14.4050

175.6582,
199.7536, 150.1208

14.7620, 18.4948,
8.2610

215.3383,
243.6452, 187.7751

8.7378, 11.3058,
4.1722

260.5848,
293.5369, 231.2517

4.6263, 6.2729,
1.7203

311.7629,

2.0622, 3.0117,

349.8131, 280.9690

0.3746

369.2380,
412.8580, 337.3456

0.6685, 1.1379,
0.0000

0.0000, 0.0101,
0.0000

65.2938, 76.4996,
49.3548

65.2938, 76.4996,
49.3548

61.4616, 74.7598,
38.6309

69.5937, 78.4397,
62.1604

58.0694, 73.2014,
29.8737

74.3754, 80.5780,
77.1448

55.0958, 71.8183,
22.9645

79.6597, 82.9256,
94.4047

52.5144, 70.5998,
17.7700

84.0476, 84.9230,
106.5697

■ 50.2959, 69.5342,
14.1387

■ 86.2166, 86.0412,
106.6712

■ 48.4056, 68.6075,
11.8929

■ 88.4589, 87.1971,
106.7762

■ 46.7982, 67.8014,
10.7985

■ 88.7144, 87.3288,
106.7881

■ 46.4010, 67.6006,
10.6026

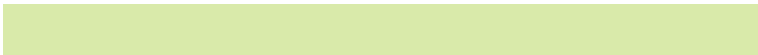
Harmonies

Analogous

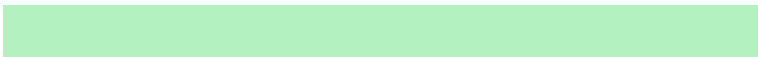
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0401, 76.4996, 45.4791



65.2938, 76.4996, 49.3548



59.9069, 76.4996, 61.8215

Triad

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



65.2938, 76.4996, 49.3548



64.7648, 76.4996, 128.7786



89.8420, 76.4996, 84.2409

Complementary

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



65.2938, 76.4996, 49.3548



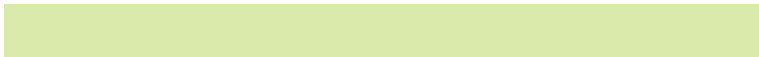
49.7225, 45.2568, 83.9609

Split Complementary

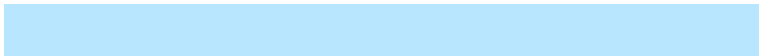
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2197, 76.4996, 109.2412



65.2938, 76.4996, 49.3548



72.3821, 76.4996, 137.7876

Square

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



65.2938, 76.4996, 49.3548



59.6183, 76.4996, 107.2974



80.6688, 76.4996, 130.0426



87.5917, 76.4996, 63.1691

Rectangle

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



65.2938, 76.4996, 49.3548



58.1659, 76.4996, 74.7507



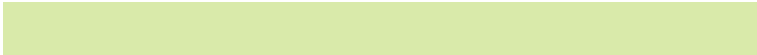
80.6688, 76.4996, 130.0426



89.4978, 76.4996, 92.4669

Sweetspot

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



65.2958, 76.5030, 49.3564



89.9716, 97.7415, 92.4186



58.7490, 55.5149, 45.6504



19.0627, 20.8337, 19.1609



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.



65.2958, 76.5030, 49.3564



76.5840, 91.7180, 52.1201



56.9308, 72.1907, 48.9650



15.9388, 17.4140, 16.0399



26.1985, 38.0503, 5.9636



2.1473, 3.0343, 0.4725

Inverse Universe

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



49.7225, 45.2568, 83.9609



54.6299, 47.6540, 100.9266



58.1421, 49.5973, 84.3549



14.6066, 14.7424, 18.9980



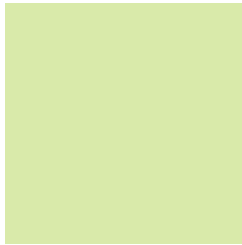
9.5694, 3.9691, 44.0047



0.8400, 0.3573, 3.4596

Previews

White Background



This preview shows how the XYZ color 65.2938, 76.4996, 49.3548 looks on a white background.

Color Contrast Check

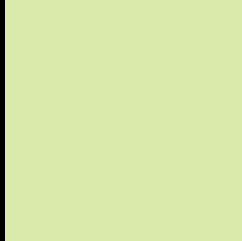
Large Text (above 18pt) WCAG AA × Fail

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 65.2938, 76.4996, 49.3548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

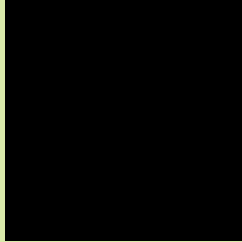
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.2938, 76.4996, 49.3548

Background



This preview shows how black text looks on a background with the XYZ color 65.2938, 76.4996, 49.3548.



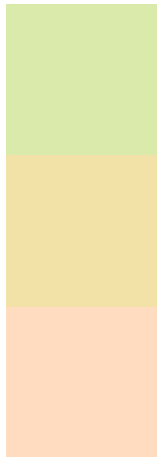
This preview shows how white text looks on a background with the XYZ color 65.2938, 76.4996,

49.3548.

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

65.2938, 76.4996, 49.3548

Protanopia

71.1336, 76.2374, 47.5254

Deuteranopia

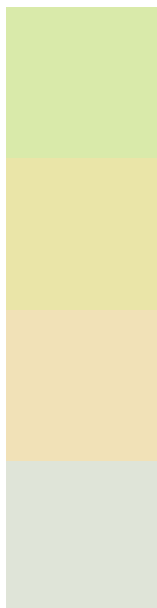
76.2372, 76.2080, 59.9817



Tritanopia

74.6308, 76.5921, 94.8547

Trichromacy



Original Color

65.2938, 76.4996, 49.3548

Protanomaly

69.0189, 76.3582, 48.1467

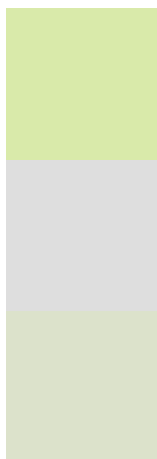
Deuteranomaly

71.7481, 75.9701, 55.6819

Tritanomaly

70.5695, 76.1326, 75.9414

Monochromacy



Original Color

65.2938, 76.4996, 49.3548

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

67.4910, 73.9202, 67.2108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2938, 76.4996, 49.3548 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, 234, 170)` looks like.

```
.text, #text, p{  
    color:rgb(217, 234, 170)  
}
```

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, 234, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 234, 170) }
```

Border

The CSS property to change the border of an element to XYZ 65.2938, 76.4996, 49.3548 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, 234, 170) }
```


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

```
.border{ border-color:rgb(217, 234, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 234, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 234, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 234, 170);  
box-shadow:4px 4px 4px 4px rgb(217, 234,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2938, 76.4996, 49.3548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 234, 170) }
```

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

```
.background{ background-color: rgb(217,  
234, 170) }
```

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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