

Converting Colors

XYZ(65.7973, 73.7258, 48.4215)

Have a look what the booklet for
XYZ(65.7973, 73.7258, 48.4215)
contains.

XYZ(65.9945, 73.9715, 48.3358)	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(65.9945, 73.9715,
48.3358)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E3A9
RGB	226, 227, 169
RGB Percent	89%, 89%, 66%
CMY	0.1137, 0.1098, 0.3372
CMYK	0.00, 0.00, 0.26, 0.11
HSL	61°, 51%, 78%
HSV	61°, 26%, 89%
XYZ	65.9945, 73.9715, 48.3358
YIQ	220.0890, 18.0220, -18.2500

Conversions

Conversions Part 2

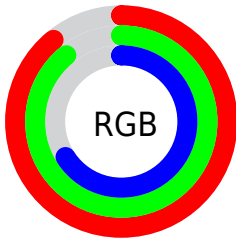
Format	Color
RYB	169, 227, 170
Decimal	14869417
CIELab	88.91, -9.44, 28.31
CIELCh	89, 29.842, 108.447
Yxy	73.9715, 0.3505, 0.3928
Android (android.graphics.Color)	4293059497 (0xFFE2E3A9)
YUV	220.0890, -25.1869, 5.1839
Hunter-Lab	86.0067, -13.5454, 26.8837

Details

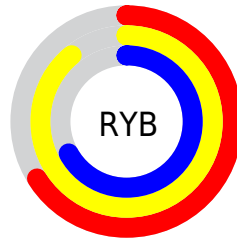
The XYZ color **65.9945, 73.9715, 48.3358** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.6336, 42.4700, 78.5224**, and the grayscale version is **68.2527, 71.8072, 78.1980**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **34.4825, 39.3120, 22.2936** is the 20% darker color. If you saturate the color by 10%, you get **63.9233, 73.1313, 38.0639**, and if you desaturate by 10%, it is **68.4399, 74.9665, 60.5595**.

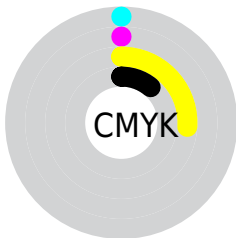
Distribution



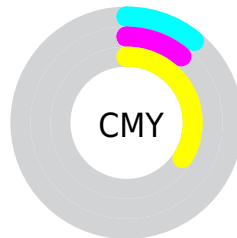
- Red (89%)
- Green (89%)
- Blue (66%)



- Red (66%)
- Yellow (89%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9945, 73.9715, 48.3358 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 65.9945, 73.9715, 48.3358 by changing the saturation by 10% instead.

65.9945, 73.9715,
48.3358

65.9945, 73.9715,
48.3358

435.8462,
474.3750, 396.6687

48.5356, 54.7707,
33.7310

112.5362,
124.8554, 89.0749

34.4643, 39.2182,
22.4113

142.3498,
157.3073, 116.0463

23.4151, 26.9295,
13.9583

177.0122,
194.9451, 147.9770

15.0227, 17.5203,
7.9532

216.8890,
238.1530, 185.2855

8.9217, 10.6061,
3.9777

262.3454,
287.3156, 228.3904

4.7469, 5.8027,
1.6131

313.7469,

2.1327, 2.7255,

342.8172, 277.7102

0.3001

371.4587,
405.0422, 333.6634

0.7069, 0.9901,
0.0000

0.0000, 0.0000,
0.0000

65.9945, 73.9715,
48.3358

65.9945, 73.9715,
48.3358

63.9233, 73.1313,
38.0639

68.4399, 74.9665,
60.5595

62.2014, 72.4283,
29.6385


71.2714, 76.1134,
74.8237

60.8098, 71.8575,
22.9512


74.5076, 77.4222,
91.2174


59.7256, 71.4097,
17.8809


77.3808, 78.5859,
105.6979


 58.9227, 71.0745,
14.2907


 77.5055, 78.6502,
105.7038


 58.3709, 70.8397,
12.0210


 77.6305, 78.7146,
105.7096

 58.0330, 70.6904,
10.8759

 77.7558, 78.7792,
105.7155

 57.9236, 70.6404,
10.5821

 77.8814, 78.8439,
105.7214

 78.0072, 78.9088,
105.7272

Harmonies

Analogous

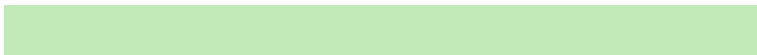
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.1325, 73.9715, 47.4584



65.9945, 73.9715, 48.3358



60.3970, 73.9715, 56.8878

Triad

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



65.9945, 73.9715, 48.3358



61.4729, 73.9715, 114.2096



84.8460, 73.9715, 88.7930

Complementary

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



65.9945, 73.9715, 48.3358



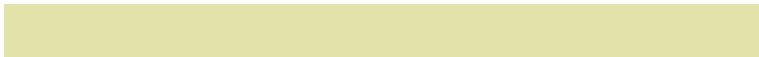
44.6336, 42.4700, 78.5224

Split Complementary

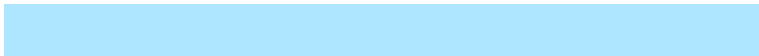
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.2472, 73.9715, 109.9846



65.9945, 73.9715, 48.3358



67.5566, 73.9715, 126.2528

Square

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



65.9945, 73.9715, 48.3358



57.9127, 73.9715, 93.8266



74.8048, 73.9715, 124.5860



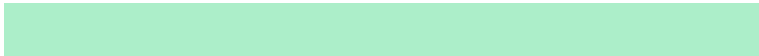
84.3559, 73.9715, 68.5752

Rectangle

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



65.9945, 73.9715, 48.3358



58.1398, 73.9715, 66.7673



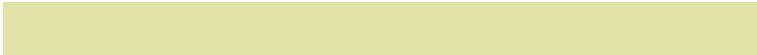
74.8048, 73.9715, 124.5860



84.0649, 73.9715, 96.0927

Sweetspot

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



65.9964, 73.9748, 48.3374



91.8076, 98.6880, 92.5045



53.2109, 47.9343, 43.9849



19.5283, 21.0738, 19.1827



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.



65.9964, 73.9748, 48.3374



84.3291, 95.6536, 55.0667



57.6680, 69.6814, 47.9476



15.5756, 16.8038, 15.3270



33.7903, 41.2010, 6.1717



2.5049, 3.0487, 0.4564

Inverse Universe

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



44.6336, 42.4700, 78.5224



51.7701, 47.6359, 101.0738



51.5997, 46.0612, 78.8484



13.6058, 13.8990, 18.1100



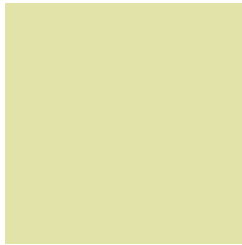
8.1249, 3.2544, 42.5831



0.6086, 0.2447, 3.1471

Previews

White Background



This preview shows how the XYZ color 65.9945, 73.9715, 48.3358 looks on a white background.

Color Contrast Check

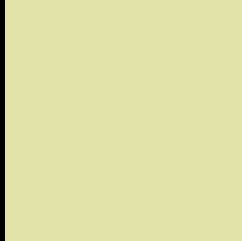
Large Text (above 18pt) WCAG AA × Fail

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 65.9945, 73.9715, 48.3358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

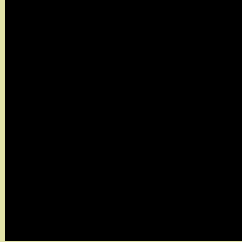
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.9945, 73.9715, 48.3358

Background



This preview shows how black text looks on a background with the XYZ color 65.9945, 73.9715, 48.3358.



This preview shows how white text looks on a background with the XYZ color 65.9945, 73.9715,

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

65.9945, 73.9715, 48.3358

Protanopia

68.9593, 73.9161, 47.1919

Deuteranopia

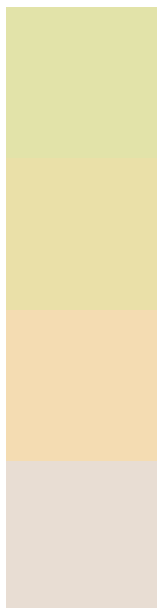
74.3431, 73.7906, 55.1245



Tritanopia

74.3277, 73.8031, 88.9252

Trichromacy



Original Color

65.9945, 73.9715, 48.3358

Protanomaly

67.6552, 73.6309, 47.6922

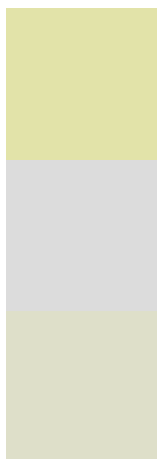
Deuteranomaly

70.9373, 73.6338, 52.5934

Tritanomaly

70.8930, 73.5719, 72.0923

Monochromacy



Original Color

65.9945, 73.9715, 48.3358

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.0545, 72.5220, 65.7223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9945, 73.9715, 48.3358 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(226, 227, 169)` looks like.

```
.text, #text, p{  
    color:rgb(226, 227, 169)  
}
```

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(226, 227, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 227, 169) }
```

Border

The CSS property to change the border of an element to XYZ 65.9945, 73.9715, 48.3358 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(226, 227, 169) }
```


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

```
.border{ border-color:rgb(226, 227, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 227, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 227, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 227, 169);  
box-shadow:4px 4px 4px 4px rgb(226, 227,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9945, 73.9715, 48.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 227, 169) }
```

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

```
.background{ background-color: rgb(226,  
227, 169) }
```

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