

Converting Colors

XYZ(49.6733, 60.5215, 38.6952)

Have a look what the booklet for
XYZ(49.6733, 60.5215, 38.6952)
contains.

| | |
|--|----|
| XYZ(49.7216, 60.6744, 38.7965) | 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(49.7216, 60.6744,
38.7965)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | B9D698 |
| RGB | 185, 214, 152 |
| RGB Percent | 73%, 84%, 60% |
| CMY | 0.2745, 0.1608, 0.4039 |
| CMYK | 0.14, 0.00, 0.29, 0.16 |
| HSL | 88°, 43%, 72% |
| HSV | 88°, 29%, 84% |
| XYZ | 49.7216, 60.6744, 38.7965 |
| YIQ | 198.2610, 2.6180, -25.4300 |

Conversions

Conversions Part 2

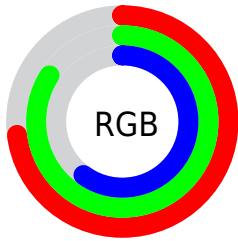
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 152, 214, 181 |
| Decimal | 12179096 |
| CIELab | 82.20, -20.41, 27.53 |
| CIELCh | 82, 34.271, 126.559 |
| Yxy | 60.6744, 0.3333, 0.4067 |
| Android (android.graphics.Color) | 4290369176 (0xFFB9D698) |
| YUV | 198.2610, -22.8067, -11.6299 |
| Hunter-Lab | 77.8938, -22.3730, 24.9951 |

Details

The XYZ color **49.7216, 60.6744, 38.7965** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.4244, 37.1370, 68.5538**, and the grayscale version is **53.9699, 56.7806, 61.8340**.

A 20% lighter version of the original color is **83.6404, 94.9022, 72.9411**, and **24.0585, 30.5417, 16.6837** is the 20% darker color. If you saturate the color by 10%, you get **45.7944, 58.8363, 30.2743**, and if you desaturate by 10%, it is **54.1383, 62.7320, 48.9948**.

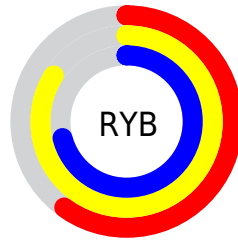
Distribution



Red (73%)

Green (84%)

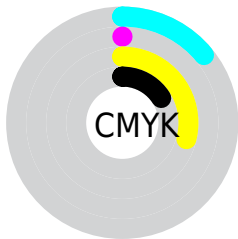
Blue (60%)



Red (60%)

Yellow (84%)

Blue (71%)

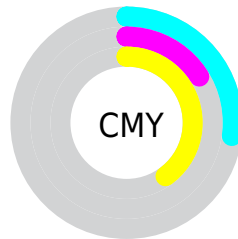


Cyan (14%)

Magenta (0%)

Yellow (29%)

Black (16%)



Cyan (27%)

Magenta (16%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7216, 60.6744, 38.7965 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 49.7216, 60.6744, 38.7965 by changing the saturation by 10% instead.

■ 49.7216, 60.6744,
38.7965

■ 49.7216, 60.6744,
38.7965

376.0462,
427.0791, 356.4246

■ 35.4091, 43.9624,
26.2948

■ 88.9565, 105.8074,
74.5443

■ 24.1462, 30.6410,
16.8166

■ 114.6097,
134.9971, 98.6274

■ 15.5674, 20.3256,
9.9432

144.7739,
169.1150, 127.4082

■ 9.3075, 12.6320,
5.2562

179.8143,
208.5453, 161.3051

■ 5.0010, 7.1756,
2.3370

220.0964,
253.6725, 200.7366

■ 2.2826, 3.5722,
0.7518

265.9855,

■ 0.7857, 1.4372,

304.8809, 246.1213

0.0000

317.8470,
362.5550, 297.8778

■ 0.0000, 0.2439,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.7216, 60.6744,
38.7965

■ 49.7216, 60.6744,
38.7965

■ 45.7944, 58.8363,
30.2743

■ 54.1383, 62.7320,
48.9948

■ 42.3315, 57.2011,
23.3346

■ 59.0589, 65.0092,
60.9484

■ 39.3123, 55.7623,
17.8805

■ 64.5030, 67.5162,
74.7361

■ 36.7124, 54.5095,
13.8028

■ 70.4875, 70.2602,
90.4307

■ 34.5043, 53.4315,
10.9773

■ 76.3771, 72.9873,
104.6702

■ 32.6564, 52.5150,
9.2577

■ 79.7773, 74.7401,
104.8293

■ 31.1200, 51.7401,
8.4098

■ 83.3378, 76.5757,
104.9959

■ 30.9735, 51.6660,
8.3401

Harmonies

Analogous

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



56.0838, 60.6744, 33.6877



49.7216, 60.6744, 38.7965



45.7489, 60.6744, 51.3566

Triad

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



49.7216, 60.6744, 38.7965



52.2747, 60.6744, 110.1271



72.7340, 60.6744, 61.5867

Complementary

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



49.7216, 60.6744, 38.7965



42.4244, 37.1370, 68.5538

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.



71.4987, 60.6744, 83.3414



49.7216, 60.6744, 38.7965



59.2841, 60.6744, 114.4681

Square

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



49.7216, 60.6744, 38.7965



47.1339, 60.6744, 92.9560



66.4215, 60.6744, 103.8093



69.6679, 60.6744, 44.9341

Rectangle

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



49.7216, 60.6744, 38.7965



44.7867, 60.6744, 63.6858



66.4215, 60.6744, 103.8093



72.8116, 60.6744, 68.5009

Sweetspot

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



49.7232, 60.6770, 38.7978



87.7325, 96.6294, 90.4085



49.9117, 49.5860, 36.6471



18.5382, 20.5718, 18.7570



0.0000, 0.0000, 0.0000



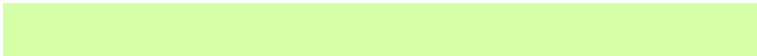
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.7232, 60.6770, 38.7978



70.1330, 88.4475, 49.3319



43.0550, 57.2395, 38.4857



12.8871, 14.2180, 13.2258



18.8418, 31.2896, 5.0464



1.2316, 1.9363, 0.3088

Inverse Universe

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



42.4244, 37.1370, 68.5538



57.5131, 47.7393, 100.7911



50.5004, 41.3003, 68.9318



12.2894, 12.2906, 15.6621



10.6381, 4.6367, 38.7874



0.7367, 0.3287, 2.3439

Previews

White Background



This preview shows how the XYZ color 49.7216, 60.6744, 38.7965 looks on a white background.

Color Contrast Check

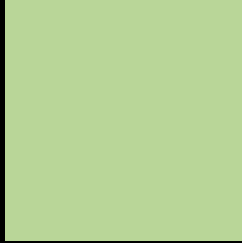
Large Text (above 18pt) WCAG AA × Fail

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 49.7216, 60.6744, 38.7965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

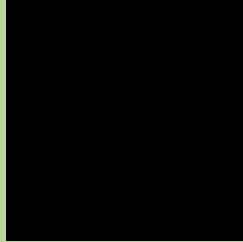
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

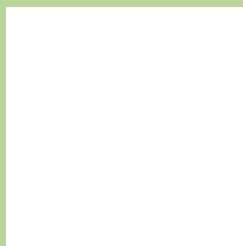
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7216, 60.6744, 38.7965

Background



This preview shows how black text looks on a background with the XYZ color 49.7216, 60.6744, 38.7965.



This preview shows how white text looks on a background with the XYZ color 49.7216, 60.6744,

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

49.7216, 60.6744, 38.7965

Protanopia

56.4534, 60.5395, 36.7269

Deuteranopia

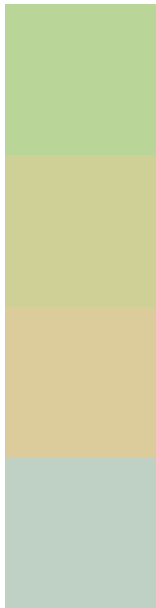
61.6759, 60.4054, 39.8612



Tritanopia

57.3881, 60.4852, 77.0567

Trichromacy



Original Color

49.7216, 60.6744, 38.7965

Protanomaly

53.7128, 60.5471, 37.2896

Deuteranomaly

56.7875, 60.2941, 39.6552

Tritanomaly

54.0055, 60.1736, 60.9928

Monochromacy



Original Color

49.7216, 60.6744, 38.7965

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.9257, 57.8594, 52.1473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7216, 60.6744, 38.7965 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(185, 214, 152)` looks like.

```
.text, #text, p{  
    color:rgb(185, 214, 152)  
}
```

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(185, 214, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 214, 152) }
```

Border

The CSS property to change the border of an element to XYZ 49.7216, 60.6744, 38.7965 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(185, 214, 152) }
```


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

```
.border{ border-color:rgb(185, 214, 152) }
```

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

Here you see how a box with a 4 pixel rgb(185, 214, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 214, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 214, 152);  
box-shadow:4px 4px 4px 4px rgb(185, 214,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7216, 60.6744, 38.7965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 214, 152) }
```

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

```
.background{ background-color: rgb(185,  
214, 152) }
```

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