

Converting Colors

XYZ(36.8182, 42.1593, 33.5423)

Have a look what the booklet for
XYZ(36.8182, 42.1593, 33.5423)
contains.

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Color

**XYZ(36.8255, 42.3149,
33.4208)**

Conversions

Conversions Part 1

Format	Color
Hex	A5B392
RGB	165, 179, 146
RGB Percent	65%, 70%, 57%
CMY	0.3529, 0.2980, 0.4274
CMYK	0.08, 0.00, 0.18, 0.30
HSL	85°, 18%, 64%
HSV	85°, 18%, 70%
XYZ	36.8255, 42.3149, 33.4208
YIQ	171.0520, 2.2490, -13.2310

Conversions

Conversions Part 2

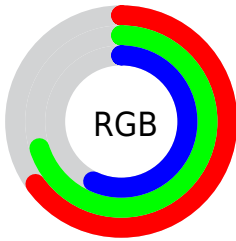
Format	Color
RYB	146, 179, 160
Decimal	10859410
CIELab	71.09, -10.87, 15.24
CIELCh	71, 18.718, 125.498
Yxy	42.3149, 0.3272, 0.3759
Android (android.graphics.Color)	4289049490 (0xFFA5B392)
YUV	171.0520, -12.3506, -5.3076
Hunter-Lab	65.0499, -12.7864, 15.0734

Details

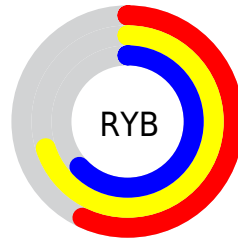
The XYZ color **36.8255, 42.3149, 33.4208** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.9144, 31.2872, 46.9544**, and the grayscale version is **38.7951, 40.8155, 44.4480**.

A 20% lighter version of the original color is **69.6489, 78.8024, 66.1831**, and **16.3365, 19.2586, 13.6827** is the 20% darker color. If you saturate the color by 10%, you get **34.0078, 41.0121, 26.5807**, and if you desaturate by 10%, it is **39.9574, 43.7570, 41.4155**.

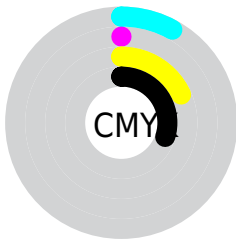
Distribution



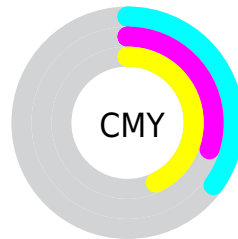
- Red (65%)
- Green (70%)
- Blue (57%)



- Red (57%)
- Yellow (70%)
- Blue (63%)



- Cyan (8%)
- Magenta (0%)
- Yellow (18%)
- Black (30%)





- Cyan (35%)
- Magenta (30%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8255, 42.3149, 33.4208 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 36.8255, 42.3149, 33.4208 by changing the saturation by 10% instead.


 36.8255, 42.3149,
33.4208


 36.8255, 42.3149,
33.4208


323.9231,
355.7867, 332.2316

 25.2455, 29.3479,
22.1752

 69.6199, 78.6760,
66.1555

 16.3897, 19.3442,
13.7862

 91.5650, 102.8389,
88.4817

 9.8930, 11.9192,
7.8351


117.6958,
131.5026, 115.3386

 5.3898, 6.6887,
3.9033

148.3777,
165.0515, 147.1447

 2.5148, 3.2682,
1.5725

183.9760,
203.8700, 184.3185

 0.9027, 1.2733,
0.2711

224.8561,

 0.0000, 0.1204,

248.3424, 227.2785

0.0000

271.3833,
298.8531, 276.4434

0.0000, 0.0000,
0.0000

36.8255, 42.3149,
33.4208

36.8255, 42.3149,
33.4208

34.0078, 41.0121,
26.5807

39.9574, 43.7570,
41.4155

31.4891, 39.8381,
20.8391

43.4111, 45.3375,
50.6120

29.2581, 38.7897,
16.1392

47.1982, 47.0625,
61.0580

27.3011, 37.8611,
12.4184

51.3286, 48.9363,
72.7981

25.6030, 37.0463,
9.6069

55.8118, 50.9626,
85.8745

■ 24.1473, 36.3381,
7.6261

■ 60.6569, 53.1455,
100.3275

■ 22.9144, 35.7288,
6.3835

■ 63.1348, 54.3934,
101.7791

■ 21.8729, 35.2054,
5.7228

■ 65.4610, 55.5925,
101.8880

■ 21.7203, 35.1285,
5.6357

■ 67.8926, 56.8461,
102.0018

Harmonies

Analogous

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



39.6453, 42.3149, 30.9621



36.8255, 42.3149, 33.4208



34.9889, 42.3149, 39.2906

Triad

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



36.8255, 42.3149, 33.4208



37.7750, 42.3149, 63.5992



46.5102, 42.3149, 44.4424

Complementary

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



36.8255, 42.3149, 33.4208



32.9144, 31.2872, 46.9544

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.



45.9461, 42.3149, 53.5958



36.8255, 42.3149, 33.4208



40.7983, 42.3149, 65.4422

Square

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



36.8255, 42.3149, 33.4208



35.5168, 42.3149, 56.8213



43.8149, 42.3149, 61.5743



45.3190, 42.3149, 36.7748

Rectangle

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



36.8255, 42.3149, 33.4208



34.5142, 42.3149, 44.7344



43.8149, 42.3149, 61.5743



46.5203, 42.3149, 47.4395

Sweetspot

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



36.8266, 42.3167, 33.4217



72.9509, 79.0018, 77.8208



36.3078, 36.7155, 32.3679



16.0769, 17.4637, 17.0166



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



36.8266, 42.3167, 33.4217



63.9002, 74.8363, 54.7925



33.6586, 40.6836, 33.2735



8.8417, 9.7235, 9.0633



15.4233, 24.8611, 3.9858



0.5502, 0.8157, 0.1284

Inverse Universe

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



32.9144, 31.2872, 46.9544



55.6325, 51.5253, 83.3944



36.3783, 33.0728, 47.1165



8.3724, 8.4005, 10.6865



7.9244, 3.4210, 30.3796



0.3166, 0.1423, 0.9590

Previews

White Background



This preview shows how the XYZ color 36.8255, 42.3149, 33.4208 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 36.8255, 42.3149, 33.4208 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

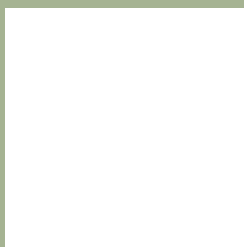
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8255, 42.3149, 33.4208

Background



This preview shows how black text looks on a background with the XYZ color 36.8255, 42.3149, 33.4208.



This preview shows how white text looks on a background with the XYZ color 36.8255, 42.3149,

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

36.8255, 42.3149, 33.4208

Protanopia

39.6687, 42.0607, 32.0144

Deuteranopia

42.9834, 42.0549, 33.8689



Tritanopia

40.7078, 42.1329, 53.0006

Trichromacy



Original Color

36.8255, 42.3149, 33.4208

Protanomaly

38.4955, 42.0207, 32.4674

Deuteranomaly

40.3229, 41.7972, 33.5462

Tritanomaly

39.1386, 42.0735, 45.0879

Monochromacy



Original Color

36.8255, 42.3149, 33.4208

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.0198, 41.3158, 40.1533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8255, 42.3149, 33.4208 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(165, 179, 146)` looks like.

```
.text, #text, p{  
    color:rgb(165, 179, 146)  
}
```

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(165, 179, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 179, 146) }
```

Border

The CSS property to change the border of an element to XYZ 36.8255, 42.3149, 33.4208 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(165, 179, 146) }
```


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

```
.border{ border-color:rgb(165, 179, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 179, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 179, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 179, 146);  
box-shadow:4px 4px 4px 4px rgb(165, 179,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8255, 42.3149, 33.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 179, 146) }
```

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

```
.background{ background-color: rgb(165,  
179, 146) }
```

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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