

Converting Colors

XYZ(36.6083, 49.0903, 35.6917)

Have a look what the booklet for
XYZ(36.6083, 49.0903, 35.6917)
contains.

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Color

**XYZ(36.7132, 49.3147,
35.6007)**

Conversions

Conversions Part 1

Format	Color
Hex	8AC994
RGB	138, 201, 148
RGB Percent	54%, 79%, 58%
CMY	0.4588, 0.2117, 0.4196
CMYK	0.31, 0.00, 0.26, 0.21
HSL	130°, 37%, 66%
HSV	130°, 31%, 79%
XYZ	36.7132, 49.3147, 35.6007
YIQ	176.1210, -20.5350, -29.8390

Conversions

Conversions Part 2

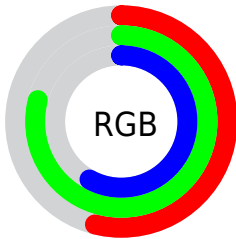
Format	Color
RYB	138, 192, 201
Decimal	9095572
CIELab	75.65, -30.89, 20.23
CIElCh	76, 36.926, 146.783
Yxy	49.3147, 0.3018, 0.4055
Android (android.graphics.Color)	4287285652 (0xFF8AC994)
YUV	176.1210, -13.8637, -33.4321
Hunter-Lab	70.2244, -29.5733, 19.0997

Details

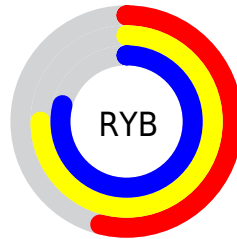
The XYZ color **36.7132, 49.3147, 35.6007** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.5815, 34.3571, 53.6795**, and the grayscale version is **41.4087, 43.5652, 47.4425**.

A 20% lighter version of the original color is **68.4130, 87.1217, 69.0875**, and **16.4291, 23.7089, 15.0196** is the 20% darker color. If you saturate the color by 10%, you get **32.4483, 47.2610, 28.9176**, and if you desaturate by 10%, it is **41.7917, 51.7680, 43.3448**.

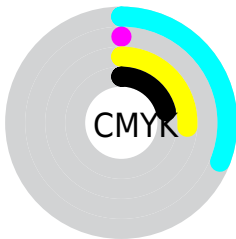
Distribution



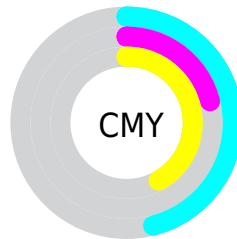
- Red (54%)
- Green (79%)
- Blue (58%)



- Red (54%)
- Yellow (75%)
- Blue (79%)



- Cyan (31%)
- Magenta (0%)
- Yellow (26%)
- Black (21%)



- Cyan (46%)
- Magenta (21%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7132, 49.3147, 35.6007 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 36.7132, 49.3147, 35.6007 by changing the saturation by 10% instead.

■ 36.7132, 49.3147,
35.6007

■ 36.7132, 49.3147,
35.6007

323.4443,
383.9799, 342.1964

■ 25.1582, 34.8692,
23.8387

■ 69.4482, 89.1587,
69.5774

■ 16.3243, 23.5621,
15.0029

■ 91.3588, 115.3259,
92.6292

■ 9.8462, 15.0091,
8.6748

■ 117.4520,
146.1692, 120.2814

■ 5.3586, 8.8258,
4.4358

148.0932,
182.0729, 152.9524

■ 2.4961, 4.6277,
1.8673

183.6476,
223.4214, 191.0609

■ 0.8933, 2.0305,
0.4718

224.4807,

■ 0.0000, 0.6251,

270.5992, 235.0254

0.0000

270.9578,
323.9905, 285.2643

■ 0.0000, 0.0000,
0.0000

■ 36.7132, 49.3147,
35.6007

■ 36.7132, 49.3147,
35.6007

■ 32.4483, 47.2610,
28.9176

■ 41.7917, 51.7680,
43.3448

■ 28.9508, 45.5799,
23.2460

■ 47.7192, 54.6341,
52.1897

■ 26.1754, 44.2504,
18.5376


■ 54.5338, 57.9332,
62.1774


■ 24.0707, 43.2474,
14.7388


■ 62.2700, 61.6822,
73.3467


■ 22.5785, 42.5418,
11.7906

■ 70.9606, 65.8972,
85.7343

 21.6299, 42.0997,
9.6273

 79.2985, 69.9036,
99.3131

 21.1470, 41.8790,
8.3287

 80.1776, 70.2552,
103.9425

Harmonies

Analogous

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



41.1952, 49.3147, 26.6129



36.7132, 49.3147, 35.6007



34.9353, 49.3147, 51.6103

Triad

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



36.7132, 49.3147, 35.6007



46.1383, 49.3147, 100.7315



59.6127, 49.3147, 38.4560

Complementary

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



36.7132, 49.3147, 35.6007



42.5815, 34.3571, 53.6795

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.



61.2586, 49.3147, 55.8358



36.7132, 49.3147, 35.6007



53.0481, 49.3147, 94.7993

Square

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



36.7132, 49.3147, 35.6007



40.0340, 49.3147, 91.7467



58.7510, 49.3147, 77.0699



54.4478, 49.3147, 27.9581

Rectangle

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



36.7132, 49.3147, 35.6007



35.3804, 49.3147, 65.3148



58.7510, 49.3147, 77.0699



60.6163, 49.3147, 43.5427

Sweetspot

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



36.7145, 49.3168, 35.6018



84.1507, 94.7225, 92.9712



47.1005, 54.7585, 32.1322



17.6605, 20.1045, 19.3818



0.0000, 0.0000, 0.0000



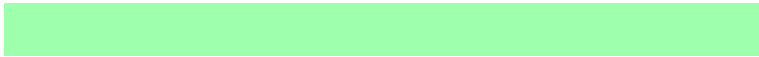
20.3446, 21.4041, 23.3091

Same Dimension

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



36.7145, 49.3168, 35.6018



57.4697, 81.8350, 52.5465



39.5010, 50.4314, 50.2753



10.5650, 11.9149, 11.6594



13.3181, 26.3396, 5.3539



0.6529, 1.2561, 0.3708

Inverse Universe

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



42.5815, 34.3571, 53.6795



69.1555, 52.0165, 88.5368



39.5269, 33.1353, 37.5941



11.0080, 10.7866, 13.0253



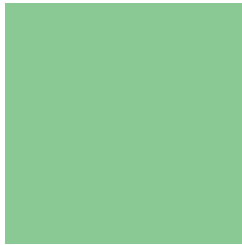
19.6818, 9.6223, 24.5979



0.9519, 0.4636, 1.2698

Previews

White Background



This preview shows how the XYZ color 36.7132, 49.3147, 35.6007 looks on a white background.

Color Contrast Check

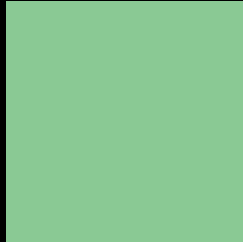
Large Text (above 18pt) WCAG AA × Fail

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 36.7132, 49.3147, 35.6007 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

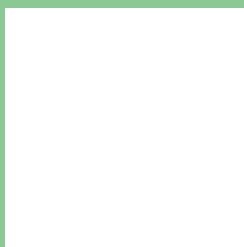
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7132, 49.3147, 35.6007

Background



This preview shows how black text looks on a background with the XYZ color 36.7132, 49.3147, 35.6007.



This preview shows how white text looks on a background with the XYZ color 36.7132, 49.3147,

35.6007.

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

36.7132, 49.3147, 35.6007

Protanopia

45.7099, 48.7631, 32.2024

Deuteranopia

49.6945, 48.5878, 36.8962



Tritanopia

43.1563, 49.2274, 67.5489

Trichromacy



Original Color

36.7132, 49.3147, 35.6007

Protanomaly

41.7963, 48.6223, 33.5677

Deuteranomaly

43.6383, 47.9170, 36.2271

Tritanomaly

40.5636, 49.1787, 54.3682

Monochromacy



Original Color

36.7132, 49.3147, 35.6007

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.1322, 45.1325, 42.7253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7132, 49.3147, 35.6007 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(138, 201, 148)` looks like.

```
.text, #text, p{  
    color:rgb(138, 201, 148)  
}
```

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(138, 201, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 201, 148) }
```

Border

The CSS property to change the border of an element to XYZ 36.7132, 49.3147, 35.6007 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(138, 201, 148) }
```


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

```
.border{ border-color:rgb(138, 201, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 201, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 201, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 201, 148); box-shadow:4px 4px 4px 4px rgb(138, 201, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7132, 49.3147, 35.6007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 201, 148) }
```

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

```
.background{ background-color: rgb(138,  
201, 148) }
```

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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