

Converting Colors

XYZ(36.9724, 49.5731, 40.9183)

Have a look what the booklet for
XYZ(36.9724, 49.5731, 40.9183)
contains.

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Color

**XYZ(36.9814, 49.6847,
40.8987)**

Conversions

Conversions Part 1

Format	Color
Hex	84CAA0
RGB	132, 202, 160
RGB Percent	52%, 79%, 63%
CMY	0.4823, 0.2078, 0.3725
CMYK	0.35, 0.00, 0.21, 0.21
HSL	144°, 40%, 65%
HSV	144°, 35%, 79%
XYZ	36.9814, 49.6847, 40.8987
YIQ	176.2820, -28.2380, -27.9020

Conversions

Conversions Part 2

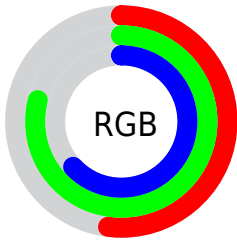
Format	Color
RYB	132, 182, 202
Decimal	8702624
CIELab	75.88, -30.99, 14.10
CIElCh	76, 34.050, 155.535
Yxy	49.6847, 0.2899, 0.3895
Android (android.graphics.Color)	4286892704 (0xFF84CAA0)
YUV	176.2820, -8.0270, -38.8353
Hunter-Lab	70.4874, -29.7024, 14.9395

Details

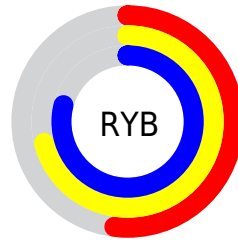
The XYZ color **36.9814, 49.6847, 40.8987** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.2500, 32.1162, 44.1239**, and the grayscale version is **41.4662, 43.6257, 47.5084**.

A 20% lighter version of the original color is **68.5193, 86.9911, 77.4696**, and **16.5211, 23.9248, 17.9345** is the 20% darker color. If you saturate the color by 10%, you get **33.1142, 47.8090, 35.4505**, and if you desaturate by 10%, it is **41.5663, 51.9211, 46.9223**.

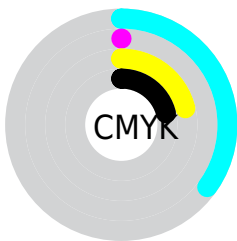
Distribution



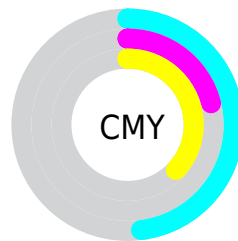
- Red (52%)
- Green (79%)
- Blue (63%)



- Red (52%)
- Yellow (71%)
- Blue (79%)



- Cyan (35%)
- Magenta (0%)
- Yellow (21%)
- Black (21%)





- Cyan (48%)
- Magenta (21%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9814, 49.6847, 40.8987 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 36.9814, 49.6847, 40.8987 by changing the saturation by 10% instead.


 36.9814, 49.6847,
40.8987


 36.9814, 49.6847,
40.8987


324.5869,
385.4316, 365.5612


 25.3667, 35.1629,
27.9208


 69.8582, 89.7075,
77.7821

 16.4807, 23.7884,
18.0275


 91.8510, 115.9774,
102.5247

 9.9579, 15.1767,
10.8001


 118.0339,
146.9321, 132.0260

 5.4331, 8.9435,
5.8201

148.7722,
182.9560, 166.7044

 2.5409, 4.7044,
2.6690

184.4313,
224.4335, 206.9787

 0.9159, 2.0749,
0.9277

225.3766,

 0.0000, 0.6504,

271.7490, 253.2671

0.0000

271.9733,
325.2869, 305.9885

0.0000, 0.0000,
0.0000

36.9814, 49.6847,
40.8987

36.9814, 49.6847,
40.8987

33.1142, 47.8090,
35.4505

41.5663, 51.9211,
46.9223

29.9223, 46.2686,
30.5572

46.9004, 54.5301,
53.5343

27.3649, 45.0439,
26.2018

53.0178, 57.5304,
60.7516

25.3948, 44.1112,
22.3653

59.9497, 60.9376,
68.5893

23.9578, 43.4428,
19.0274

67.7253, 64.7666,
77.0620

■ 22.9886, 43.0055,
16.1660

■ 76.3724, 69.0314,
86.1837

■ 22.5992, 42.8341,
14.8220

■ 78.8192, 70.0861,
95.6358

■ 80.4115, 70.7230,
104.0205

Harmonies

Analogous

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



40.4920, 49.6847, 30.3857



36.9814, 49.6847, 40.8987



36.1075, 49.6847, 57.5335

Triad

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



36.9814, 49.6847, 40.8987



48.4086, 49.6847, 96.7805



57.8461, 49.6847, 36.2499

Complementary

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



36.9814, 49.6847, 40.8987



40.2500, 32.1162, 44.1239

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.



60.4154, 49.6847, 50.8024



36.9814, 49.6847, 40.8987



54.6633, 49.6847, 87.7423

Square

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



36.9814, 49.6847, 40.8987



42.3567, 49.6847, 92.4700



59.2017, 49.6847, 69.8699



52.4502, 49.6847, 28.1520

Rectangle

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



36.9814, 49.6847, 40.8987



37.0632, 49.6847, 70.5729



59.2017, 49.6847, 69.8699



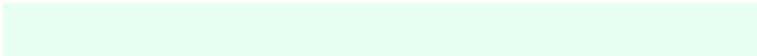
59.0899, 49.6847, 40.4104

Sweetspot

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



36.9827, 49.6868, 40.8998



83.9165, 94.5338, 96.0284



43.0038, 53.0426, 29.8020



17.6507, 20.0817, 20.1852



0.0000, 0.0000, 0.0000



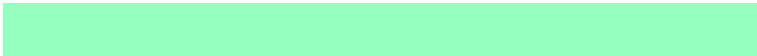
20.3446, 21.4041, 23.3091

Same Dimension

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



36.9827, 49.6868, 40.8998



57.3299, 81.5567, 61.8601



40.3567, 51.0364, 58.6671



11.2508, 12.6101, 12.8784



14.5830, 27.5785, 9.7551



0.7895, 1.4376, 0.6991

Inverse Universe

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



40.2500, 32.1162, 44.1239



63.7182, 47.1700, 68.1403



37.3557, 30.9584, 28.8828



11.4902, 11.3248, 13.1158



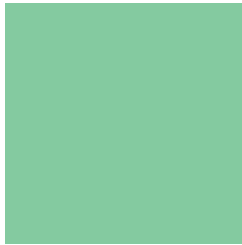
17.9473, 8.9895, 12.7071



0.9627, 0.4785, 0.8496

Previews

White Background



This preview shows how the XYZ color 36.9814, 49.6847, 40.8987 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 36.9814, 49.6847, 40.8987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

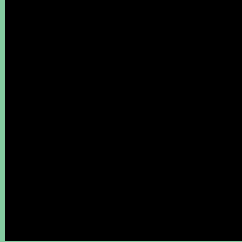
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9814, 49.6847, 40.8987

Background



This preview shows how black text looks on a background with the XYZ color 36.9814, 49.6847, 40.8987.

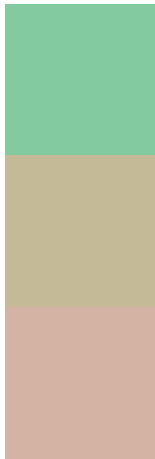


This preview shows how white text looks on a background with the XYZ color 36.9814, 49.6847,

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

36.9814, 49.6847, 40.8987

Protanopia

46.2524, 49.2551, 36.7752

Deuteranopia

50.0630, 48.9539, 42.4077



Tritanopia

42.6007, 49.5730, 68.9513

Trichromacy



Original Color

36.9814, 49.6847, 40.8987

Protanomaly

41.9996, 48.9501, 38.2450

Deuteranomaly

43.9096, 48.2523, 41.6497

Tritanomaly

40.3560, 49.6829, 57.3319

Monochromacy



Original Color

36.9814, 49.6847, 40.8987

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.1019, 45.0738, 44.6694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9814, 49.6847, 40.8987 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(132, 202, 160)` looks like.

```
.text, #text, p{  
    color:rgb(132, 202, 160)  
}
```

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(132, 202, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 202, 160) }
```

Border

The CSS property to change the border of an element to XYZ 36.9814, 49.6847, 40.8987 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(132, 202, 160) }
```


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

```
.border{ border-color:rgb(132, 202, 160) }
```

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

Here you see how a box with a 4 pixel rgb(132, 202, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 202, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 202, 160);  
box-shadow:4px 4px 4px 4px rgb(132, 202,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9814, 49.6847, 40.8987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 202, 160) }
```

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

```
.background{ background-color: rgb(132,  
202, 160) }
```

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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