

Converting Colors

XYZ(40.4640, 36.3052, 49.3574)

Have a look what the booklet for
XYZ(40.4640, 36.3052, 49.3574)
contains.

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Color

**XYZ(40.4964, 36.3294,
49.1339)**

Conversions

Conversions Part 1

Format	Color
Hex	BD97B6
RGB	189, 151, 182
RGB Percent	74%, 59%, 71%
CMY	0.2588, 0.4078, 0.2863
CMYK	0.00, 0.20, 0.04, 0.26
HSL	311°, 22%, 67%
HSV	311°, 20%, 74%
XYZ	40.4964, 36.3294, 49.1339
YIQ	165.8960, 12.6970, 17.6970

Conversions

Conversions Part 2

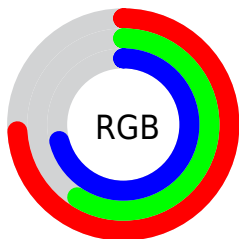
Format	Color
RYB	189, 151, 182
Decimal	12425142
CIELab	66.77, 19.47, -10.70
CIELCh	67, 22.212, 331.214
Yxy	36.3294, 0.3215, 0.2884
Android (android.graphics.Color)	4290615222 (0xFFBD97B6)
YUV	165.8960, 7.9393, 20.2622
Hunter-Lab	60.2739, 14.4501, -6.1402

Details

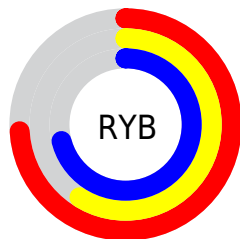
The XYZ color **40.4964, 36.3294, 49.1339** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.1331, 45.4442, 39.1643**, and the grayscale version is **36.1547, 38.0376, 41.4229**.

A 20% lighter version of the original color is **75.2700, 69.4285, 90.3228**, and **18.5113, 15.8502, 22.8526** is the 20% darker color. If you saturate the color by 10%, you get **37.3401, 30.5850, 46.3287**, and if you desaturate by 10%, it is **44.1514, 43.0558, 52.1503**.

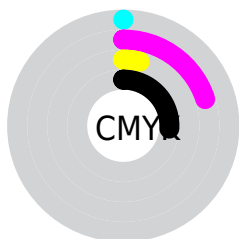
Distribution



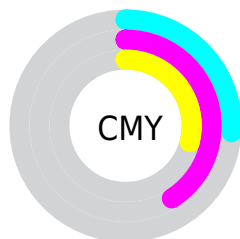
- Red (74%)
- Green (59%)
- Blue (71%)



- Red (74%)
- Yellow (59%)
- Blue (71%)



- Cyan (0%)
- Magenta (20%)
- Yellow (4%)
- Black (26%)





- Cyan (26%)
- Magenta (41%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4964, 36.3294, 49.1339 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 40.4964, 36.3294, 49.1339 by changing the saturation by 10% instead.

 40.4964, 36.3294,
49.1339


 40.4964, 36.3294,
49.1339

339.3101,
330.3980, 399.9068

 28.1117, 24.6887,
34.3594


 75.1984, 69.5402,
90.2733

 18.5508, 15.8453,
22.8902


 98.2464, 91.8791,
117.4753

 11.4482, 9.4147,
14.3079

125.5795,
118.5528, 149.6569

 6.4387, 5.0127,
8.1940

157.5632,
149.9458, 187.2365

 3.1568, 2.2547,
4.1298

194.5627,
186.4424, 230.6328

 1.2372, 0.7496,
1.6968

236.9435,

 0.1354, 0.0000,

228.4270, 280.2642

0.3585

285.0708,
276.2841, 336.5494

■ 0.0000, 0.0000,
0.0000

■ 40.4964, 36.3294,
49.1339

■ 40.4964, 36.3294,
49.1339

■ 37.3401, 30.5850,
46.3287

■ 44.1514, 43.0558,
52.1503

■ 34.6560, 25.7714,
43.7243

■ 48.3237, 50.8027,
55.3832

■ 32.4201, 21.8400,
41.3129

■ 53.0346, 59.6124,
58.8404

■ 30.6048, 18.7360,
39.0848

■ 58.3034, 69.5235,
62.5287

■ 29.1797, 16.3981,
37.0297

■ 64.1485, 80.5723,
66.4544

■ 28.1097, 14.7570,
35.1355

■ 67.5133, 86.6457,
69.5990

■ 27.3540, 13.7305,
33.3883

■ 67.9328, 86.8135,
71.8079

■ 26.8344, 13.1581,
31.7766

■ 68.3616, 86.9850,
74.0661

■ 68.7999, 87.1603,
76.3741

Harmonies

Analogous

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



37.9813, 36.3294, 57.5491



40.4964, 36.3294, 49.1339



41.3875, 36.3294, 39.1664

Triad

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



40.4964, 36.3294, 49.1339



34.3935, 36.3294, 23.8148



29.3028, 36.3294, 49.9215

Complementary

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



40.4964, 36.3294, 49.1339



37.1331, 45.4442, 39.1643

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.



28.4751, 36.3294, 39.9493



40.4964, 36.3294, 49.1339



31.2944, 36.3294, 25.7695

Square

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



40.4964, 36.3294, 49.1339



37.7296, 36.3294, 25.4764



29.1804, 36.3294, 31.3124



31.5166, 36.3294, 58.0531

Rectangle

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



40.4964, 36.3294, 49.1339



40.8980, 36.3294, 33.2422



29.1804, 36.3294, 31.3124



28.8599, 36.3294, 46.6237

Sweetspot

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



40.4975, 36.3310, 49.1347



81.9556, 82.4490, 95.6732



34.3475, 33.0748, 52.7186



17.5214, 17.5397, 20.4938



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



40.4975, 36.3310, 49.1347



70.0033, 60.4537, 85.8030



38.6680, 35.5992, 39.5008



9.8525, 9.6653, 11.6123



18.0809, 8.8635, 21.5173



0.7282, 0.3552, 0.9478

Inverse Universe

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



40.4975, 36.3310, 49.1347



70.0033, 60.4537, 85.8030



38.8939, 46.1485, 48.4364



9.8525, 9.6653, 11.6123



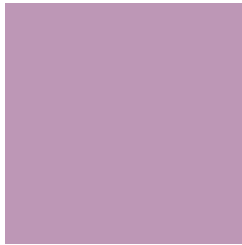
18.0809, 8.8635, 21.5173



0.7282, 0.3552, 0.9478

Previews

White Background



This preview shows how the XYZ color 40.4964, 36.3294, 49.1339 looks on a white background.

Color Contrast Check

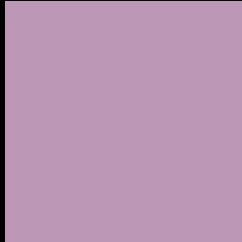
Large Text (above 18pt) WCAG AA × Fail

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 40.4964, 36.3294, 49.1339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

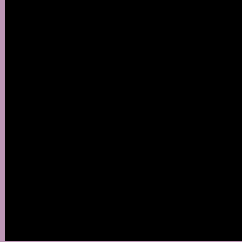
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4964, 36.3294, 49.1339

Background



This preview shows how black text looks on a background with the XYZ color 40.4964, 36.3294, 49.1339.



This preview shows how white text looks on a background with the XYZ color 40.4964, 36.3294,

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

40.4964, 36.3294, 49.1339

Protanopia

36.0307, 36.4330, 53.2774

Deuteranopia

37.1449, 36.3360, 48.7719



Tritanopia

38.9321, 36.4292, 41.0560

Trichromacy



Original Color

40.4964, 36.3294, 49.1339

Protanomaly

37.2821, 36.0941, 51.4563

Deuteranomaly

38.1933, 36.1260, 48.6761

Tritanomaly

39.5767, 36.4524, 43.9798

Monochromacy



Original Color

40.4964, 36.3294, 49.1339

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.6468, 37.4670, 44.2774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4964, 36.3294, 49.1339 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(189, 151, 182)` looks like.

```
.text, #text, p{  
    color:rgb(189, 151, 182)  
}
```

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(189, 151, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 151, 182) }
```

Border

The CSS property to change the border of an element to XYZ 40.4964, 36.3294, 49.1339 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(189, 151, 182) }
```


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

```
.border{ border-color:rgb(189, 151, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 151, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 151, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 151, 182);  
box-shadow:4px 4px 4px 4px rgb(189, 151,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4964, 36.3294, 49.1339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 151, 182) }
```

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

```
.background{ background-color: rgb(189,  
151, 182) }
```

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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