

Converting Colors

XYZ(40.5656, 36.4020, 51.8552)

Have a look what the booklet for
XYZ(40.5656, 36.4020, 51.8552)
contains.

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Color

**XYZ(40.5298, 36.2859,
51.8814)**

Conversions

Conversions Part 1

Format	Color
Hex	BB97BB
RGB	187, 151, 187
RGB Percent	73%, 59%, 73%
CMY	0.2667, 0.4078, 0.2667
CMYK	0.00, 0.19, 0.00, 0.27
HSL	300°, 21%, 66%
HSV	300°, 19%, 73%
XYZ	40.5298, 36.2859, 51.8814
YIQ	165.8680, 9.9000, 18.8280

Conversions

Conversions Part 2

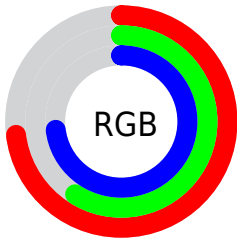
Format	Color
R _Y B	187, 151, 187
Decimal	12294075
CIE Lab	66.74, 19.71, -13.56
CIE LCh	67, 23.927, 325.476
Yxy	36.2859, 0.3149, 0.2819
Android (android.graphics.Color)	4290484155 (0xFFBB97BB)
YUV	165.8680, 10.4181, 18.5328
Hunter-Lab	60.2378, 14.6841, -8.8987

Details

The XYZ color **40.5298, 36.2859, 51.8814** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.1202, 44.3555, 35.9379**, and the grayscale version is **36.1307, 38.0123, 41.3954**.

A 20% lighter version of the original color is **74.9711, 69.1884, 94.1973**, and **18.5331, 15.8221, 24.6314** is the 20% darker color. If you saturate the color by 10%, you get **37.7561, 30.7380, 50.9571**, and if you desaturate by 10%, it is **43.7830, 42.7916, 52.9664**.

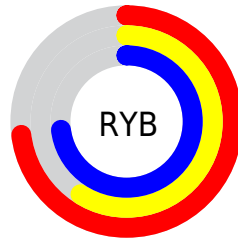
Distribution



Red (73%)

Green (59%)

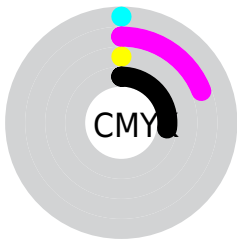
Blue (73%)



Red (73%)

Yellow (59%)

Blue (73%)

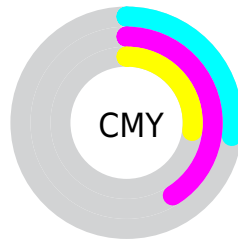


Cyan (0%)

Magenta (19%)

Yellow (0%)

Black (27%)



Cyan (27%)

Magenta (41%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5298, 36.2859, 51.8814 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 40.5298, 36.2859, 51.8814 by changing the saturation by 10% instead.

40.5298, 36.2859,
51.8814

40.5298, 36.2859,
51.8814

339.4478,
330.2084, 410.9225

28.1379, 24.6551,
36.5290

75.2488, 69.4731,
94.3811

18.5706, 15.8203,
24.5501

98.3067, 91.7983,
122.3655

11.4626, 9.3971,
15.5262

125.6505,
118.4571, 155.3975

6.4485, 5.0011,
9.0388

157.6458,
149.8338, 193.8958

3.1629, 2.2479,
4.6693

194.6578,
186.3129, 238.2790

1.2405, 0.7459,
1.9993

237.0519,

0.1380, 0.0000,

228.2788, 288.9654

0.5548

285.1935,
276.1158, 346.3737

■ 0.0000, 0.0000,
0.0000

■ 40.5298, 36.2859,
51.8814

■ 40.5298, 36.2859,
51.8814

■ 37.7561, 30.7380,
50.9571

■ 43.7830, 42.7916,
52.9664

■ 35.4363, 26.0983,
50.1837

■ 47.5334, 50.2924,
54.2166

■ 33.5471, 22.3200,
49.5538

■ 51.8019, 58.8293,
55.6396

■ 32.0620, 19.3498,
49.0587

■ 56.6070, 68.4396,
57.2414

■ 30.9516, 17.1291,
48.6884

■ 61.9666, 79.1586,
59.0281

■ 30.1825, 15.5910,
48.4319

■ 65.2238, 85.6729,
60.1139

■ 29.7154, 14.6568,
48.2761

■ 65.2238, 85.6729,
60.1141

■ 29.4786, 14.1832,
48.1970

■ 65.2238, 85.6730,
60.1142

■ 29.4634, 14.1528,
48.1919

■ 65.2238, 85.6730,
60.1144

Harmonies

Analogous

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



37.5615, 36.2859, 60.3113



40.5298, 36.2859, 51.8814



41.8819, 36.2859, 41.0981

Triad

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



40.5298, 36.2859, 51.8814



35.0391, 36.2859, 22.8197



28.5939, 36.2859, 48.6922

Complementary

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



40.5298, 36.2859, 51.8814



36.1202, 44.3555, 35.9379

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.



28.0211, 36.2859, 37.9618



40.5298, 36.2859, 51.8814



31.5881, 36.2859, 24.1422

Square

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



40.5298, 36.2859, 51.8814



38.5743, 36.2859, 25.2891



29.0798, 36.2859, 29.2791



30.7022, 36.2859, 58.2562

Rectangle

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



40.5298, 36.2859, 51.8814



41.6205, 36.2859, 34.4382



29.0798, 36.2859, 29.2791



28.2219, 36.2859, 45.0550

Sweetspot

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



40.5309, 36.2875, 51.8822



80.4335, 80.6775, 95.5343



32.8004, 32.3023, 51.5207



17.6189, 17.5787, 21.0069



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.



40.5309, 36.2875, 51.8822



70.4396, 60.6899, 92.2026



38.7229, 35.5643, 42.3612



9.9300, 9.6963, 12.0204



20.3002, 9.7512, 33.2042



0.7952, 0.3820, 1.3006

Inverse Universe

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



40.5309, 36.2875, 51.8822



70.4396, 60.6899, 92.2026



37.6956, 44.9856, 44.2339



9.9300, 9.6963, 12.0204



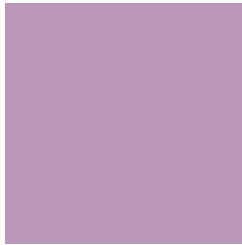
20.3002, 9.7512, 33.2042



0.7952, 0.3820, 1.3006

Previews

White Background



This preview shows how the XYZ color 40.5298, 36.2859, 51.8814 looks on a white background.

Color Contrast Check

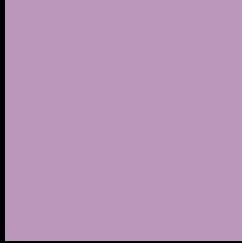
Large Text (above 18pt) WCAG AA × Fail

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 40.5298, 36.2859, 51.8814 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 40.5298, 36.2859, 51.8814

Background



This preview shows how black text looks on a background with the XYZ color 40.5298, 36.2859, 51.8814.



This preview shows how white text looks on a background with the XYZ color 40.5298, 36.2859,

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

40.5298, 36.2859, 51.8814

Protanopia

36.1928, 36.4527, 56.1674

Deuteranopia

37.0261, 36.2144, 51.4930



Tritanopia

38.4636, 36.4231, 41.5623

Trichromacy



Original Color

40.5298, 36.2859, 51.8814

Protanomaly

37.3973, 36.0910, 54.2854

Deuteranomaly

38.0398, 35.9865, 51.3956

Tritanomaly

39.2032, 36.4815, 45.0198

Monochromacy



Original Color

40.5298, 36.2859, 51.8814

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.8404, 37.5444, 45.2968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5298, 36.2859, 51.8814 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(187, 151, 187)` looks like.

```
.text, #text, p{  
    color:rgb(187, 151, 187)  
}
```

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(187, 151, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 151, 187) }
```

Border

The CSS property to change the border of an element to XYZ 40.5298, 36.2859, 51.8814 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(187, 151, 187) }
```


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

```
.border{ border-color:rgb(187, 151, 187) }
```

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

Here you see how a box with a 4 pixel rgb(187, 151, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 151, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 151, 187);  
box-shadow:4px 4px 4px 4px rgb(187, 151,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5298, 36.2859, 51.8814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 151, 187) }
```

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

```
.background{ background-color: rgb(187,  
151, 187) }
```

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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