

Converting Colors

XYZ(36.2064, 27.3641, 51.1203)

Have a look what the booklet for
XYZ(36.2064, 27.3641, 51.1203)
contains.

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Color

**XYZ(36.1674, 27.3893,
50.9574)**

Conversions

Conversions Part 1

Format	Color
Hex	BB77BC
RGB	187, 119, 188
RGB Percent	73%, 47%, 74%
CMY	0.2667, 0.5333, 0.2627
CMYK	0.01, 0.37, 0.00, 0.26
HSL	299°, 34%, 60%
HSV	299°, 37%, 74%
XYZ	36.1674, 27.3893, 50.9574
YIQ	147.1980, 18.3790, 35.8750

Conversions

Conversions Part 2

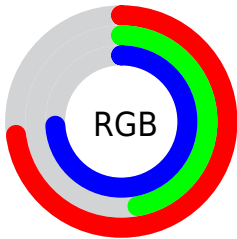
Format	Color
RYB	187, 119, 188
Decimal	12285884
CIELab	59.33, 37.61, -25.39
CIELCh	59, 45.382, 325.974
Yxy	27.3893, 0.3158, 0.2392
Android (android.graphics.Color)	4290475964 (0xFFBB77BC)
YUV	147.1980, 20.1154, 34.9064
Hunter-Lab	52.3348, 31.7715, -21.0952

Details

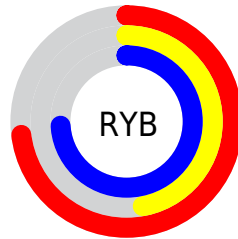
The XYZ color **36.1674, 27.3893, 50.9574** is a light color, and the websafe version is hex **996699**. A complement of this color would be **29.0597, 41.2921, 23.8927**, and the grayscale version is **27.7299, 29.1740, 31.7705**.

A 20% lighter version of the original color is **68.3899, 55.2698, 92.6515**, and **15.9560, 10.7890, 24.1632** is the 20% darker color. If you saturate the color by 10%, you get **34.0812, 23.3151, 50.2813**, and if you desaturate by 10%, it is **38.6981, 32.3511, 51.7821**.

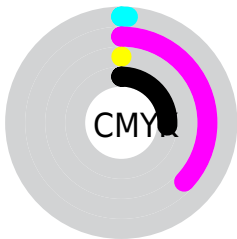
Distribution



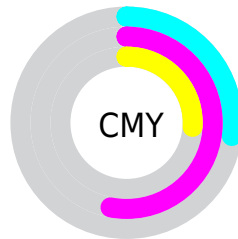
- Red (73%)
- Green (47%)
- Blue (74%)



- Red (73%)
- Yellow (47%)
- Blue (74%)



- Cyan (1%)
- Magenta (37%)
- Yellow (0%)
- Black (26%)





- Cyan (27%)
- Magenta (53%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1674, 27.3893, 50.9574 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 36.1674, 27.3893, 50.9574 by changing the saturation by 10% instead.


 36.1674, 27.3893,
50.9574


 36.1674, 27.3893,
50.9574


321.1101,
289.5371, 407.2401


 24.7342, 17.8658,
35.7982


 68.6125, 55.5079,
93.0027

 16.0068, 10.8537,
23.9899

 90.3552, 74.8719,
120.7258

 9.6199, 5.9685,
15.1140


 116.2651, 98.2848,
153.4740

 5.2080, 2.8260,
8.7519

146.7076,
126.1310, 191.6659

 2.4058, 1.0416,
4.4851

182.0479,
158.7949, 235.7198

 0.8480, 0.0000,
1.8951

222.6516,

 0.0000, 0.0000,

196.6610, 286.0545

0.4896

268.8839,
240.1136, 343.0884

■ 0.0000, 0.0000,
0.0000

■ 36.1674, 27.3893,
50.9574

■ 36.1674, 27.3893,
50.9574

■ 34.0812, 23.3151,
50.2813

■ 38.6981, 32.3511,
51.7821

■ 32.4105, 20.0723,
49.7435

■ 41.6947, 38.2450,
52.7618

■ 31.1272, 17.6043,
49.3348

■ 45.1803, 45.1169,
53.9045

■ 30.1988, 15.8457,
49.0442

■ 49.1759, 53.0085,
55.2172

■ 29.5870, 14.7202,
48.8592

■ 53.7012, 61.9593,
56.7064

■ 29.2406, 14.1255,
48.7627

■ 58.7748, 72.0066,
58.3783

■ 29.1516, 13.9796,
48.7392

■ 64.4145, 83.1857,
60.2388

■ 65.8682, 85.9928,
60.7040

■ 65.9359, 86.0277,
60.7072

Harmonies

Analogous

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



31.1118, 27.3893, 67.6768



36.1674, 27.3893, 50.9574



38.5095, 27.3893, 32.0712

Triad

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



36.1674, 27.3893, 50.9574



26.8066, 27.3893, 8.2451



17.4013, 27.3893, 45.7152

Complementary

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



36.1674, 27.3893, 50.9574



29.0597, 41.2921, 23.8927

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.



16.5919, 27.3893, 27.6810



36.1674, 27.3893, 50.9574



21.5389, 27.3893, 9.6227

Square

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



36.1674, 27.3893, 50.9574



32.6306, 27.3893, 10.6925



17.9938, 27.3893, 15.5272



20.3901, 27.3893, 63.9572

Rectangle

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



36.1674, 27.3893, 50.9574



37.9996, 27.3893, 22.0200



17.9938, 27.3893, 15.5272



16.8858, 27.3893, 39.2790

Sweetspot

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



36.1683, 27.3905, 50.9580



78.9397, 75.9633, 96.7280



23.4206, 21.0232, 50.4009



16.7922, 15.9740, 20.7408



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.



36.1683, 27.3905, 50.9580



62.4539, 43.5940, 91.3490



33.2238, 26.2411, 34.1715



9.9159, 9.6890, 12.0198



19.8536, 9.5210, 33.1842



0.7821, 0.3752, 1.3001

Inverse Universe

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



30.7270, 25.2423, 21.0234



51.1792, 39.1467, 29.1504



31.2882, 42.1676, 36.3475



9.5356, 9.5386, 9.9436



14.1328, 7.2843, 0.7269



0.5555, 0.2861, 0.0387

Previews

White Background



This preview shows how the XYZ color 36.1674, 27.3893, 50.9574 looks on a white background.

Color Contrast Check

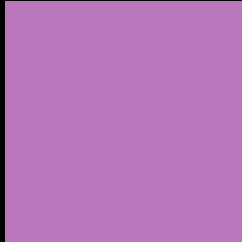
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.1674, 27.3893, 50.9574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

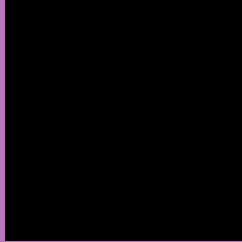
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.1674, 27.3893, 50.9574

Background



This preview shows how black text looks on a background with the XYZ color 36.1674, 27.3893, 50.9574.



This preview shows how white text looks on a background with the XYZ color 36.1674, 27.3893,

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

36.1674, 27.3893, 50.9574

Protanopia

28.7127, 27.6685, 61.5848

Deuteranopia

28.3299, 27.7447, 49.2095



Tritanopia

31.5665, 27.3884, 28.0488

Trichromacy



Original Color

36.1674, 27.3893, 50.9574

Protanomaly

30.5504, 27.0096, 57.6360

Deuteranomaly

30.6621, 27.2464, 49.5420

Tritanomaly

32.9479, 27.1688, 35.4059

Monochromacy



Original Color

36.1674, 27.3893, 50.9574

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.3675, 28.1813, 38.0214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1674, 27.3893, 50.9574 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, 119, 188)` looks like.

```
.text, #text, p{  
    color:rgb(187, 119, 188)  
}
```

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, 119, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 119, 188) }
```

Border

The CSS property to change the border of an element to XYZ 36.1674, 27.3893, 50.9574 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, 119, 188) }
```


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

```
.border{ border-color:rgb(187, 119, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 119, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 119, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 119, 188); box-shadow:4px 4px 4px 4px rgb(187, 119, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1674, 27.3893, 50.9574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 119, 188) }
```

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

```
.background{ background-color: rgb(187,  
119, 188) }
```

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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