

# Converting Colors

XYZ(37.3728, 29.6390, 53.0414)

Have a look what the booklet for  
XYZ(37.3728, 29.6390, 53.0414)  
contains.

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# Color

**XYZ(37.3728, 29.6390,  
53.0414)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BA80BF
RGB	186, 128, 191
RGB Percent	73%, 50%, 75%
CMY	0.2706, 0.4980, 0.2510
CMYK	0.03, 0.33, 0.00, 0.25
HSL	295°, 33%, 63%
HSV	295°, 33%, 75%
XYZ	37.3728, 29.6390, 53.0414
YIQ	152.5240, 14.3450, 31.8890

# Conversions

## Conversions Part 2

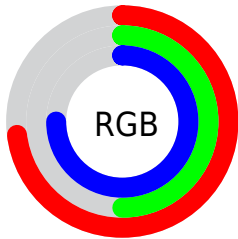
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 128, 191
Decimal	12222655
CIE Lab	61.34, 32.94, -24.02
CIE LCh	61, 40.765, 323.897
Yxy	29.6390, 0.3113, 0.2469
Android (android.graphics.Color)	4290412735 (0xFFBA80BF)
YUV	152.5240, 18.9687, 29.3585
Hunter-Lab	54.4417, 27.2625, -19.6558

# Details

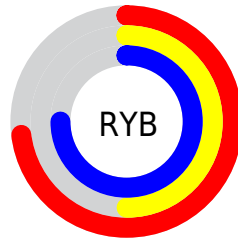
The XYZ color **37.3728, 29.6390, 53.0414** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.2010, 43.8074, 27.1820**, and the grayscale version is **29.9884, 31.5502, 34.3581**.

A 20% lighter version of the original color is **70.6334, 59.2879, 96.5279**, and **16.6850, 12.0194, 25.1075** is the 20% darker color. If you saturate the color by 10%, you get **34.7461, 24.9288, 52.2711**, and if you desaturate by 10%, it is **40.4742, 35.2916, 53.9694**.

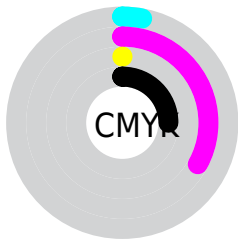
# Distribution



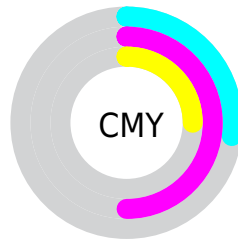
- Red (73%)
- Green (50%)
- Blue (75%)



- Red (73%)
- Yellow (50%)
- Blue (75%)



- Cyan (3%)
- Magenta (33%)
- Yellow (0%)
- Black (25%)




- Cyan (27%)
- Magenta (50%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3728, 29.6390, 53.0414 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 37.3728, 29.6390, 53.0414 by changing the saturation by 10% instead.





 37.3728, 29.6390,  
53.0414


 37.3728, 29.6390,  
53.0414


326.2493,  
300.2181, 415.5147


 25.6713, 19.5647,  
37.4479


 70.4559, 59.0908,  
96.1074

 16.7093, 12.0791,  
25.2559


 92.5682, 79.2371,  
124.4170

 10.1214, 6.7975,  
16.0471

 118.8814,  
103.5096, 157.8024

 5.5424, 3.3358,  
9.4028

149.7609,  
132.2927, 196.6821

 2.6069, 1.3095,  
4.9044

185.5721,  
165.9706, 241.4746

 0.9495, 0.1485,  
2.1335

226.6804,

 0.0000, 0.0000,

204.9279, 292.5986

0.6356

273.4510,  
249.5490, 350.4724

■ 0.0000, 0.0000,  
0.0000

■ 37.3728, 29.6390,  
53.0414

■ 37.3728, 29.6390,  
53.0414

■ 34.7461, 24.9288,  
52.2711

■ 40.4742, 35.2916,  
53.9694

■ 32.5649, 21.1045,  
51.6479

■ 44.0719, 41.9314,  
55.0614

■ 30.8011, 18.1092,  
51.1627

■ 48.1893, 49.6050,  
56.3256

■ 29.4223, 15.8782,  
50.8048

■ 52.8478, 58.3548,  
57.7689

■ 28.3913, 14.3370,  
50.5616

■ 58.0673, 68.2209,  
59.3982

■ 27.6633, 13.3960,  
50.4184

■ 63.8670, 79.2413,  
61.2197

■ 27.2729, 12.9734,  
50.3574

■ 68.0886, 87.0996,  
62.5140

■ 68.4865, 87.3048,  
62.5326

■ 68.8885, 87.5120,  
62.5514

# Harmonies

## Analogous

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



32.5682, 29.6390, 67.5991



37.3728, 29.6390, 53.0414



39.7468, 29.6390, 35.5218

# Triad

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



37.3728, 29.6390, 53.0414



29.2840, 29.6390, 10.8820



19.7395, 29.6390, 45.8073

# Complementary

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



37.3728, 29.6390, 53.0414



32.2010, 43.8074, 27.1820

# 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.



19.0940, 29.6390, 29.2264



37.3728, 29.6390, 53.0414



24.1886, 29.6390, 12.0707

# Square

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



37.3728, 29.6390, 53.0414



34.7097, 29.6390, 13.7790



20.6190, 29.6390, 17.7851



22.5098, 29.6390, 62.5775



# Rectangle

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



37.3728, 29.6390, 53.0414



39.4407, 29.6390, 25.6725



20.6190, 29.6390, 17.7851



19.2828, 29.6390, 39.9150

# Sweetspot

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



37.3738, 29.6403, 53.0420



80.9188, 78.7890, 99.2221



26.7291, 25.1958, 52.7452



17.5472, 16.8890, 21.7204



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



37.3738, 29.6403, 53.0420



63.2618, 46.4832, 93.9170



35.9748, 29.2235, 39.2238



9.8532, 9.6567, 12.0168



17.9548, 8.5421, 33.0954



0.7257, 0.3461, 1.2974



# Inverse Universe

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



33.4397, 28.2094, 25.8742



55.1586, 43.5557, 37.0690



33.3875, 44.1930, 37.4527



9.5601, 9.5483, 10.0724



14.1900, 7.3072, 1.0282

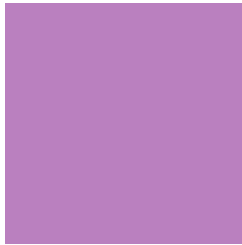


0.5664, 0.2905, 0.0959



# Previews

## White Background



This preview shows how the XYZ color 37.3728, 29.6390, 53.0414 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

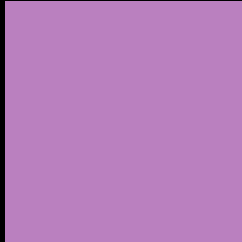
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.3728, 29.6390, 53.0414 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

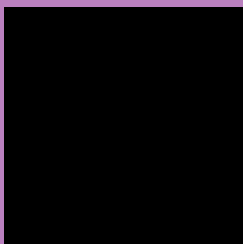
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.3728, 29.6390, 53.0414**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.3728, 29.6390, 53.0414.



This preview shows how white text looks on a background with the XYZ color 37.3728, 29.6390,



# 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

37.3728, 29.6390, 53.0414

### Protanopia

30.6584, 29.7908, 61.8919

### Deuteranopia

30.5113, 29.9394, 51.7477



## Tritanopia

33.0345, 29.7012, 31.5956

# Trichromacy



## Original Color

37.3728, 29.6390, 53.0414

## Protanomaly

32.4204, 29.2147, 58.5738

## Deuteranomaly

32.5185, 29.4085, 52.1066

## Tritanomaly

34.4274, 29.6396, 38.5568

# Monochromacy



## Original Color

37.3728, 29.6390, 53.0414

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

32.4654, 30.7359, 40.7807

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.3728, 29.6390, 53.0414 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(186, 128, 191)` looks like.

```
.text, #text, p{  
    color:rgb(186, 128, 191)  
}
```

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(186, 128, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 128, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 37.3728, 29.6390, 53.0414 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(186, 128, 191) }
```



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

```
.border{ border-color:rgb(186, 128, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 128, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 128, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 128, 191);  
box-shadow:4px 4px 4px 4px rgb(186, 128,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.3728, 29.6390, 53.0414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 128, 191) }
```

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

```
.background{ background-color: rgb(186,  
128, 191) }
```

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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