

Converting Colors

XYZ(37.6702, 35.8411, 53.0590)

Have a look what the booklet for
XYZ(37.6702, 35.8411, 53.0590)
contains.

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Color

**XYZ(37.7012, 35.7747,
53.0623)**

Conversions

Conversions Part 1

Format	Color
Hex	AB9BBD
RGB	171, 155, 189
RGB Percent	67%, 61%, 74%
CMY	0.3294, 0.3921, 0.2588
CMYK	0.10, 0.18, 0.00, 0.26
HSL	268°, 20%, 67%
HSV	268°, 18%, 74%
XYZ	37.7012, 35.7747, 53.0623
YIQ	163.6600, -1.3780, 13.9660

Conversions

Conversions Part 2

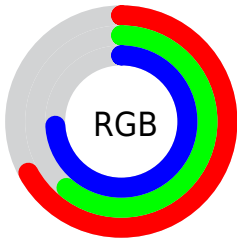
Format	Color
R_{YB}	171, 155, 189
Decimal	11246525
CIE _{Lab}	66.35, 12.43, -15.41
CIE _{LCh}	66, 19.797, 308.888
Yxy	35.7747, 0.2979, 0.2827
Android (android.graphics.Color)	4289436605 (0xFFAB9BBD)
YUV	163.6600, 12.4926, 6.4372
Hunter-Lab	59.8120, 7.8428, -10.7309

Details

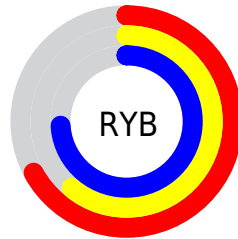
The XYZ color **37.7012, 35.7747, 53.0623** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.3489, 47.6470, 38.0295**, and the grayscale version is **35.0690, 36.8954, 40.1790**.

A 20% lighter version of the original color is **70.6459, 68.3623, 95.8580**, and **17.0020, 15.6001, 25.4076** is the 20% darker color. If you saturate the color by 10%, you get **32.7011, 28.8882, 51.9972**, and if you desaturate by 10%, it is **43.3608, 43.7339, 54.3008**.

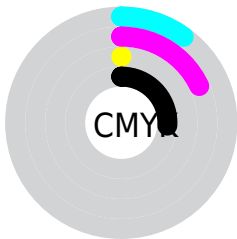
Distribution



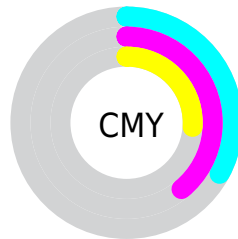
- Red (67%)
- Green (61%)
- Blue (74%)



- Red (67%)
- Yellow (61%)
- Blue (74%)



- Cyan (10%)
- Magenta (18%)
- Yellow (0%)
- Black (26%)



- Cyan (33%)
- Magenta (39%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7012, 35.7747, 53.0623 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 37.7012, 35.7747, 53.0623 by changing the saturation by 10% instead.

■ 37.7012, 35.7747,
53.0623

■ 37.7012, 35.7747,
53.0623

327.6395,
327.9747, 415.5972

■ 25.9270, 24.2602,
37.4644

■ 70.9568, 68.6842,
96.1385

■ 16.9014, 15.5268,
25.2687

■ 93.1689, 90.8480,
124.4539

■ 10.2591, 9.1899,
16.0565

119.5910,
117.3304, 157.8457

■ 5.6347, 4.8653,
9.4094

150.5885,
148.5157, 196.7322

■ 2.6628, 2.1684,
4.9087

186.5268,
184.7884, 241.5320

■ 0.9780, 0.7027,
2.1360

227.7711,

■ 0.0000, 0.0000,

226.5329, 292.6638

0.6371

274.6869,
274.1336, 350.5460

■ 0.0000, 0.0000,
0.0000

■ 37.7012, 35.7747,
53.0623

■ 37.7012, 35.7747,
53.0623

■ 32.7011, 28.8882,
51.9972

■ 43.3608, 43.7339,
54.3008

■ 28.3308, 23.0224,
51.0953

■ 49.7016, 52.8057,
55.7177

■ 24.5630, 18.1276,
50.3491

■ 56.7481, 63.0338,
57.3205

■ 21.3668, 14.1478,
49.7494

■ 64.5226, 74.4576,
59.1158

■ 18.7086, 11.0216,
49.2860

■ 73.0464, 87.1152,
61.1097

■ 16.5502, 8.6791,
48.9477

■ 77.9135, 92.1899,
61.8327

■ 14.8478, 7.0394,
48.7209

■ 81.2372, 93.9032,
61.9882

■ 13.5361, 5.9783,
48.5852

■ 84.7484, 95.7134,
62.1525

■ 13.2991, 5.7948,
48.5623

■ 86.1854, 96.4542,
62.2198

Harmonies

Analogous

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



34.8894, 35.7747, 57.3712



37.7012, 35.7747, 53.0623



39.5914, 35.7747, 45.1216

Triad

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



37.7012, 35.7747, 53.0623



36.0936, 35.7747, 25.6434



28.6856, 35.7747, 41.5246

Complementary

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



37.7012, 35.7747, 53.0623



41.3489, 47.6470, 38.0295

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.



28.9665, 35.7747, 33.3731



37.7012, 35.7747, 53.0623



33.1313, 35.7747, 24.9697

Square

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



37.7012, 35.7747, 53.0623



38.6265, 35.7747, 29.5923



30.5545, 35.7747, 27.5960



29.7636, 35.7747, 50.1038

Rectangle

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



37.7012, 35.7747, 53.0623



40.0144, 35.7747, 39.2698



30.5545, 35.7747, 27.5960



28.6256, 35.7747, 38.6371

Sweetspot

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



37.7023, 35.7762, 53.0631



80.8327, 82.8419, 97.9559



37.6733, 40.5823, 53.9923



17.2157, 17.5768, 21.0279



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.



37.7023, 35.7762, 53.0631



63.4731, 58.4601, 94.1647



41.6139, 37.7927, 53.2461



9.4319, 9.4395, 11.9971



9.0347, 3.9436, 32.6779



0.4294, 0.1934, 1.2836

Inverse Universe

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



40.2517, 37.2802, 44.6112



69.0516, 61.7523, 75.6142



37.8514, 45.8439, 37.8658



9.7355, 9.6185, 10.9963



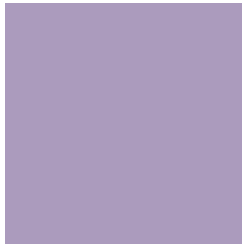
15.7089, 7.9147, 9.0268



0.6481, 0.3231, 0.5263

Previews

White Background



This preview shows how the XYZ color 37.7012, 35.7747, 53.0623 looks on a white background.

Color Contrast Check

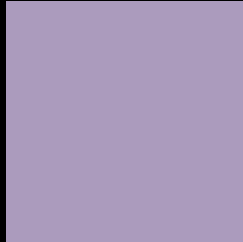
Large Text (above 18pt) WCAG AA × Fail

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 37.7012, 35.7747, 53.0623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

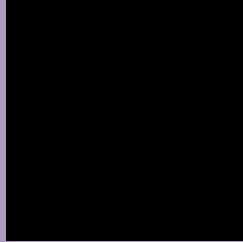
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7012, 35.7747, 53.0623

Background



This preview shows how black text looks on a background with the XYZ color 37.7012, 35.7747, 53.0623.



This preview shows how white text looks on a background with the XYZ color 37.7012, 35.7747,

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

37.7012, 35.7747, 53.0623

Protanopia

35.6028, 35.9159, 54.9252

Deuteranopia

36.5521, 35.6806, 53.1046



Tritanopia

35.7260, 35.7188, 43.5395

Trichromacy



Original Color

37.7012, 35.7747, 53.0623

Protanomaly

36.3288, 35.7924, 54.2841

Deuteranomaly

37.0101, 35.6665, 53.0778

Tritanomaly

36.4550, 35.7633, 47.1011

Monochromacy



Original Color

37.7012, 35.7747, 53.0623

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.2240, 36.7224, 44.7141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7012, 35.7747, 53.0623 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(171, 155, 189)` looks like.

```
.text, #text, p{  
    color:rgb(171, 155, 189)  
}
```

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(171, 155, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 155, 189) }
```

Border

The CSS property to change the border of an element to XYZ 37.7012, 35.7747, 53.0623 is called "border". The border property can be set on classes, ids or directly on the HTML element.

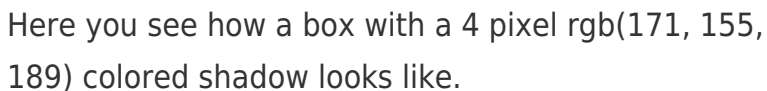
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 155, 189) }
```


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

```
.border{ border-color:rgb(171, 155, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 155, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 155, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 155, 189); box-shadow:4px 4px 4px 4px rgb(171, 155, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7012, 35.7747, 53.0623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 155, 189) }
```

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

```
.background{ background-color: rgb(171,  
155, 189) }
```

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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