

Converting Colors

XYZ(37.4164, 28.1906, 53.5038)

Have a look what the booklet for
XYZ(37.4164, 28.1906, 53.5038)
contains.

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Color

**XYZ(37.4661, 28.1859,
53.3349)**

Conversions

Conversions Part 1

Format	Color
Hex	BE78C0
RGB	190, 120, 192
RGB Percent	75%, 47%, 75%
CMY	0.2549, 0.5294, 0.2471
CMYK	0.01, 0.37, 0.00, 0.25
HSL	298°, 36%, 61%
HSV	298°, 37%, 75%
XYZ	37.4661, 28.1859, 53.3349
YIQ	149.1380, 18.6080, 37.2320

Conversions

Conversions Part 2

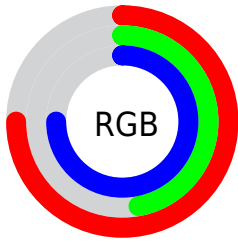
Format	Color
RYB	190, 120, 192
Decimal	12482752
CIELab	60.06, 38.78, -26.53
CIELCh	60, 46.984, 325.628
Yxy	28.1859, 0.3149, 0.2369
Android (android.graphics.Color)	4290672832 (0xFFBE78C0)
YUV	149.1380, 21.1310, 35.8360
Hunter-Lab	53.0904, 33.0600, -22.3998

Details

The XYZ color **37.4661, 28.1859, 53.3349** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.2668, 43.1936, 24.5127**, and the grayscale version is **28.5344, 30.0204, 32.6922**.

A 20% lighter version of the original color is **70.5927, 56.8858, 96.8820**, and **16.7072, 11.2421, 25.3341** is the 20% darker color. If you saturate the color by 10%, you get **35.2518, 23.9540, 52.6352**, and if you desaturate by 10%, it is **40.1457, 33.3464, 54.1902**.

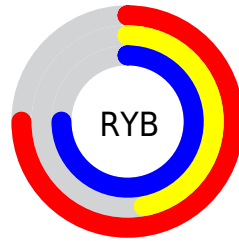
Distribution



Red (75%)

Green (47%)

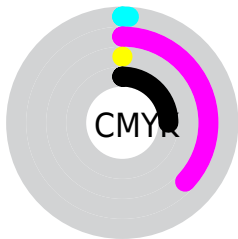
Blue (75%)



Red (75%)

Yellow (47%)

Blue (75%)

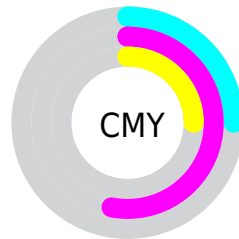


Cyan (1%)

Magenta (37%)

Yellow (0%)

Black (25%)



Cyan (25%)


Magenta (53%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4661, 28.1859, 53.3349 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 37.4661, 28.1859, 53.3349 by changing the saturation by 10% instead.


 37.4661, 28.1859,
53.3349


 37.4661, 28.1859,
53.3349


326.6447,
293.3542, 416.6714

 25.7439, 18.4658,
37.6806


 70.5983, 56.7811,
96.5435

 16.7638, 11.2850,
25.4350

 92.7389, 76.4250,
124.9350

 10.1605, 6.2588,
16.1795


 119.0831,
100.1457, 158.4092

 5.5686, 3.0031,
9.4955

149.9962,
128.3275, 197.3848

 2.6227, 1.1334,
4.9646

185.8436,
161.3549, 242.2802

 0.9575, 0.0062,
2.1681

226.9906,

 0.0000, 0.0000,

199.6122, 293.5141

0.6559

273.8025,
243.4838, 351.5050

■ 0.0000, 0.0000,
0.0000

■ 37.4661, 28.1859,
53.3349

■ 37.4661, 28.1859,
53.3349

■ 35.2518, 23.9540,
52.6352

■ 40.1457, 33.3464,
54.1902

■ 33.4721, 20.5914,
52.0799

■ 43.3134, 39.4829,
55.2077

■ 32.0973, 18.0376,
51.6595

■ 46.9937, 46.6440,
56.3959


■ 31.0924, 16.2231,
51.3622


■ 51.2087, 54.8737,
57.7623


■ 30.4168, 15.0664,
51.1745


■ 55.9792, 64.2138,
59.3137


 30.0117, 14.4499,
51.0769

 61.3250, 74.7037,
61.0567

 29.9270, 14.3288,
51.0580

 67.2648, 86.3809,
62.9975

 67.5912, 86.8305,
63.0671

 67.7286, 86.9013,
63.0735

Harmonies

Analogous

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



32.0871, 28.1859, 71.0755



37.4661, 28.1859, 53.3349



39.9943, 28.1859, 33.2737

Triad

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



37.4661, 28.1859, 53.3349



27.6776, 28.1859, 8.1490



17.6887, 28.1859, 47.2833

Complementary

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



37.4661, 28.1859, 53.3349



30.2668, 43.1936, 24.5127

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.



16.8679, 28.1859, 28.2429



37.4661, 28.1859, 53.3349



22.1103, 28.1859, 9.5206

Square

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



37.4661, 28.1859, 53.3349



33.8332, 28.1859, 10.7201



18.3629, 28.1859, 15.5790



20.7989, 28.1859, 66.7638

Rectangle

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



37.4661, 28.1859, 53.3349



39.4840, 28.1859, 22.6331



18.3629, 28.1859, 15.5790



17.1578, 28.1859, 40.4617

Sweetspot

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



37.4670, 28.1871, 53.3355



82.5858, 79.5219, 101.3568



24.2702, 21.8178, 52.8016



17.5203, 16.6765, 21.6808



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.



37.4670, 28.1871, 53.3355



64.5278, 44.6476, 95.5771



34.6617, 27.1231, 35.9381



10.4688, 10.2328, 12.7082



20.1490, 9.6476, 34.3568



0.8794, 0.4214, 1.4849

Inverse Universe

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



31.9685, 26.0458, 21.7561



53.1732, 40.2339, 29.9945



32.3958, 44.0128, 37.1866



10.0843, 10.0823, 10.5344



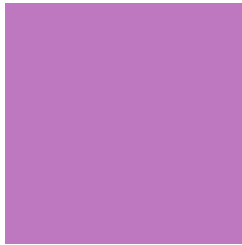
14.6519, 7.5505, 0.8133



0.6371, 0.3278, 0.0561

Previews

White Background



This preview shows how the XYZ color 37.4661, 28.1859, 53.3349 looks on a white background.

Color Contrast Check

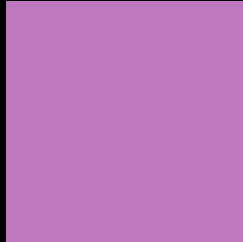
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.4661, 28.1859, 53.3349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

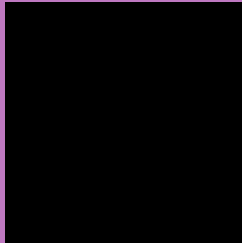
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.4661, 28.1859, 53.3349

Background



This preview shows how black text looks on a background with the XYZ color 37.4661, 28.1859, 53.3349.



This preview shows how white text looks on a background with the XYZ color 37.4661, 28.1859,

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

37.4661, 28.1859, 53.3349

Protanopia

29.7675, 28.5832, 64.9210

Deuteranopia

29.0529, 28.5100, 51.5487



Tritanopia

32.4525, 28.2230, 28.9364

Trichromacy



Original Color

37.4661, 28.1859, 53.3349

Protanomaly

31.6562, 27.9356, 60.2236

Deuteranomaly

31.5596, 28.0700, 51.8988

Tritanomaly

34.1842, 28.1559, 36.8906

Monochromacy



Original Color

37.4661, 28.1859, 53.3349

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

31.1899, 28.7861, 39.5097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4661, 28.1859, 53.3349 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(190, 120, 192)` looks like.

```
.text, #text, p{  
    color:rgb(190, 120, 192)  
}
```

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(190, 120, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 120, 192) }
```

Border

The CSS property to change the border of an element to XYZ 37.4661, 28.1859, 53.3349 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(190, 120, 192) }
```


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

```
.border{ border-color:rgb(190, 120, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 120, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 120, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 120, 192); box-shadow:4px 4px 4px 4px rgb(190, 120, 192) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4661, 28.1859, 53.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 120, 192) }
```

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

```
.background{ background-color: rgb(190,  
120, 192) }
```

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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