

Converting Colors

XYZ(37.5812, 28.5205, 60.6519)

Have a look what the booklet for
XYZ(37.5812, 28.5205, 60.6519)
contains.

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Color

**XYZ(37.6258, 28.4690,
60.6387)**

Conversions

Conversions Part 1

Format	Color
Hex	B87ACC
RGB	184, 122, 204
RGB Percent	72%, 48%, 80%
CMY	0.2784, 0.5216, 0.2000
CMYK	0.10, 0.40, 0.00, 0.20
HSL	285°, 45%, 64%
HSV	285°, 40%, 80%
XYZ	37.6258, 28.4690, 60.6387
YIQ	149.8860, 10.6300, 38.6460

Conversions

Conversions Part 2

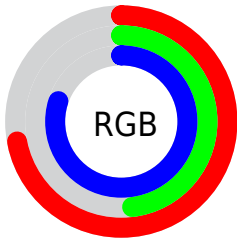
Format	Color
RYB	184, 122, 204
Decimal	12090060
CIELab	60.31, 38.21, -32.98
CIElCh	60, 50.471, 319.200
Yxy	28.4690, 0.2969, 0.2246
Android (android.graphics.Color)	4290280140 (0xFFB87ACC)
YUV	149.8860, 26.6782, 29.9180
Hunter-Lab	53.3563, 32.5009, -30.0328

Details

The XYZ color **37.6258, 28.4690, 60.6387** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **36.2618, 50.3423, 26.2194**, and the grayscale version is **28.8293, 30.3307, 33.0301**.

A 20% lighter version of the original color is **69.8510, 56.9714, 101.9228**, and **16.7313, 11.3435, 29.7415** is the 20% darker color. If you saturate the color by 10%, you get **34.2082, 23.3715, 59.8354**, and if you desaturate by 10%, it is **41.6130, 34.6419, 61.6205**.

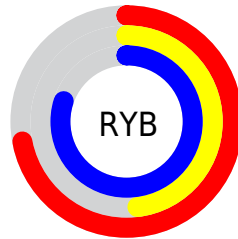
Distribution



Red (72%)

Green (48%)

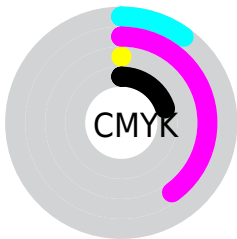
Blue (80%)



Red (72%)

Yellow (48%)

Blue (80%)

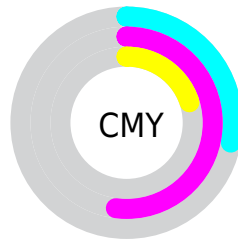


Cyan (10%)

Magenta (40%)

Yellow (0%)

Black (20%)



Cyan (28%)


Magenta (52%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6258, 28.4690, 60.6387 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 37.6258, 28.4690, 60.6387 by changing the saturation by 10% instead.


 37.6258, 28.4690,
60.6387


 37.6258, 28.4690,
60.6387


327.3207,
294.7012, 444.8178


 25.8683, 18.6795,
43.5050


 70.8418, 57.2324,
107.3081

 16.8573, 11.4389,
29.9472

 93.0310, 76.9750,
137.6808

 10.2275, 6.3629,
19.5468


 119.4282,
100.8041, 173.3036

 5.6135, 3.0670,
11.8853

150.3987,
129.1042, 214.5950

 2.6499, 1.1668,
6.5440

186.3078,
162.2595, 261.9736

 0.9715, 0.0343,
3.1045

227.5210,

 0.0000, 0.0000,

200.6546, 315.8579

1.1482

274.4035,
244.6737, 376.6665

■ 0.0000, 0.0000,
0.0000

■ 37.6258, 28.4690,
60.6387

■ 37.6258, 28.4690,
60.6387

■ 34.2082, 23.3715,
59.8354

■ 41.6130, 34.6419,
61.6205

■ 31.3237, 19.2793,
59.1975

■ 46.1976, 41.9475,
62.7890

■ 28.9358, 16.1196,
58.7135

■ 51.4089, 50.4431,
64.1541

■ 27.0021, 13.8077,
58.3692

■ 57.2735, 60.1811,
65.7246

■ 25.4722, 12.2438,
58.1479

■ 63.8163, 71.2108,
67.5088

■ 24.2724, 11.2538,
58.0201

■ 71.0608, 83.5788,
69.5142

■ 75.8216, 90.9134,
70.6790

■ 77.3395, 91.6960,
70.7500

■ 78.9025, 92.5017,
70.8232

Harmonies

Analogous

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



31.3655, 28.4690, 78.3655



37.6258, 28.4690, 60.6387



41.2313, 28.4690, 38.1745

Triad

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



37.6258, 28.4690, 60.6387



29.4608, 28.4690, 7.5021



16.9179, 28.4690, 44.2719

Complementary

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



37.6258, 28.4690, 60.6387



36.2618, 50.3423, 26.2194

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.



16.5750, 28.4690, 24.7823



37.6258, 28.4690, 60.6387



23.1658, 28.4690, 8.0396

Square

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



37.6258, 28.4690, 60.6387



36.0414, 28.4690, 11.0762



18.6826, 28.4690, 13.0428



19.7086, 28.4690, 66.6034

Rectangle

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



37.6258, 28.4690, 60.6387



41.3113, 28.4690, 25.6371



18.6826, 28.4690, 13.0428



16.5315, 28.4690, 37.0583

Sweetspot

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



37.6268, 28.4702, 60.6393



83.3607, 80.6185, 105.7751



28.6737, 27.9935, 61.0192



17.5910, 16.8436, 22.5739



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.6268, 28.4702, 60.6393



57.4801, 39.9170, 99.2829



40.4615, 30.1972, 48.7700



11.4099, 11.2606, 14.1425



15.3649, 7.1284, 36.5224



0.8584, 0.4016, 1.8872

Inverse Universe

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



36.7447, 28.7105, 29.1971



56.1348, 40.5505, 39.2622



34.5399, 49.2920, 33.4835



11.3227, 11.2578, 12.2337



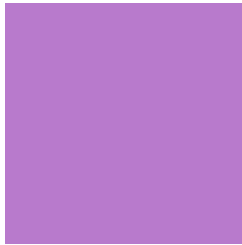
16.0638, 8.2361, 2.7887



0.8597, 0.4373, 0.3070

Previews

White Background



This preview shows how the XYZ color 37.6258, 28.4690, 60.6387 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 37.6258, 28.4690, 60.6387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

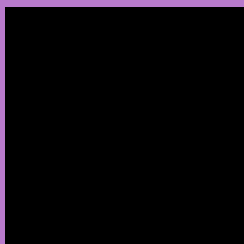
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.6258, 28.4690, 60.6387

Background



This preview shows how black text looks on a background with the XYZ color 37.6258, 28.4690, 60.6387.



This preview shows how white text looks on a background with the XYZ color 37.6258, 28.4690,

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

37.6258, 28.4690, 60.6387

Protanopia

30.3448, 28.7169, 72.3502

Deuteranopia

29.4518, 28.7838, 58.6471



Tritanopia

31.4540, 28.4862, 30.6287

Trichromacy



Original Color

37.6258, 28.4690, 60.6387



Protanomaly

32.0850, 27.9850, 68.0006



Deuteranomaly

31.7412, 28.2149, 59.0314



Tritanomaly

33.2257, 28.1834, 39.7652

Monochromacy



Original Color

37.6258, 28.4690, 60.6387



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

31.5341, 29.3398, 42.0313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6258, 28.4690, 60.6387 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(184, 122, 204)` looks like.

```
.text, #text, p{  
    color:rgb(184, 122, 204)  
}
```

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(184, 122, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 122, 204) }
```

Border

The CSS property to change the border of an element to XYZ 37.6258, 28.4690, 60.6387 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(184, 122, 204) }
```


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

```
.border{ border-color:rgb(184, 122, 204) }
```

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

Here you see how a box with a 4 pixel rgb(184, 122, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 122, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 122, 204);  
box-shadow:4px 4px 4px 4px rgb(184, 122,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6258, 28.4690, 60.6387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 122, 204) }
```

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

```
.background{ background-color: rgb(184,  
122, 204) }
```

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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