

Converting Colors

XYZ(36.6813, 25.7693, 68.9357)

Have a look what the booklet for
XYZ(36.6813, 25.7693, 68.9357)
contains.

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Color

**XYZ(36.6907, 25.7453,
68.6812)**

Conversions

Conversions Part 1

Format	Color
Hex	B36ED9
RGB	179, 110, 217
RGB Percent	70%, 43%, 85%
CMY	0.2980, 0.5686, 0.1490
CMYK	0.18, 0.49, 0.00, 0.15
HSL	279°, 58%, 64%
HSV	279°, 49%, 85%
XYZ	36.6907, 25.7453, 68.6812
YIQ	142.8290, 6.7770, 47.9050

Conversions

Conversions Part 2

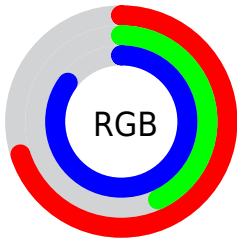
Format	Color
RYB	179, 110, 217
Decimal	11759321
CIELab	57.79, 45.98, -44.29
CIElCh	58, 63.844, 316.073
Yxy	25.7453, 0.2798, 0.1964
Android (android.graphics.Color)	4289949401 (0xFFB36ED9)
YUV	142.8290, 36.5663, 31.7220
Hunter-Lab	50.7398, 40.2812, -44.7368

Details

The XYZ color **36.6907, 25.7453, 68.6812** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **39.8408, 57.0480, 23.6644**, and the grayscale version is **25.8982, 27.2469, 29.6719**.

A 20% lighter version of the original color is **66.0722, 51.4189, 101.0502**, and **16.3977, 10.0217, 35.2525** is the 20% darker color. If you saturate the color by 10%, you get **32.8982, 20.7303, 67.9135**, and if you desaturate by 10%, it is **41.1579, 31.9601, 69.6458**.

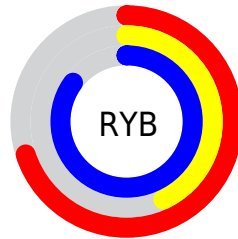
Distribution



Red (70%)

Green (43%)

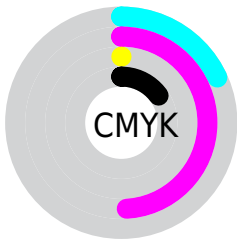
Blue (85%)



Red (70%)

Yellow (43%)

Blue (85%)

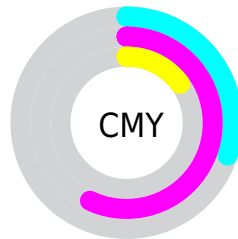


Cyan (18%)

Magenta (49%)

Yellow (0%)

Black (15%)



Cyan (30%)


Magenta (57%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6907, 25.7453, 68.6812 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 36.6907, 25.7453, 68.6812 by changing the saturation by 10% instead.


 36.6907, 25.7453,
68.6812


 36.6907, 25.7453,
68.6812


323.3483,
281.5295, 474.5692


 25.1407, 16.6332,
49.9820

 69.4137, 52.8638,
118.9895


 16.3112, 9.9733,
35.0280


 91.3175, 71.6389,
151.4357

 9.8369, 5.3813,
23.4007


 117.4032, 94.4039,
189.3013

 5.3524, 2.4727,
14.6816

 148.0362,
121.5430, 233.0048

 2.4923, 0.8629,
8.4521

183.5818,
153.4408, 282.9649

 0.8914, 0.0000,
4.2937

224.4055,

 0.0000, 0.0000,

190.4815, 339.5999

1.7878

270.8725,
233.0496, 403.3285

■ 0.0000, 0.0000,
0.4199

■ 0.0000, 0.0000,
0.0000

■ 36.6907, 25.7453,
68.6812

■ 36.6907, 25.7453,
68.6812

■ 32.8982, 20.7303,
67.9135

■ 41.1579, 31.9601,
69.6458

■ 29.7333, 16.8260,
67.3267

■ 46.3367, 39.4489,
70.8183

■ 27.1468, 13.9354,
66.9051

■ 52.2646, 48.2836,
72.2111

■ 25.0796, 11.9430,
66.6295

■ 58.9756, 58.5296,
73.8351

■ 23.4353, 10.6588,
66.4683

■ 66.5011, 70.2480,
75.7003

■ 23.3289, 10.5797,
66.4586

■ 74.8711, 83.4964,
77.8164

■ 81.8716, 93.8446,
79.4448

■ 84.4421, 95.1697,
79.5651

■ 87.1238, 96.5522,
79.6906

Harmonies

Analogous

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



28.7807, 25.7453, 91.2769



36.6907, 25.7453, 68.6812



41.7390, 25.7453, 39.4647

Triad

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



36.6907, 25.7453, 68.6812



28.1906, 25.7453, 3.7835



12.8666, 25.7453, 41.4144

Complementary

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



36.6907, 25.7453, 68.6812



39.8408, 57.0480, 23.6644

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.



12.7737, 25.7453, 19.0530



36.6907, 25.7453, 68.6812



20.6130, 25.7453, 3.8922

Square

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



36.6907, 25.7453, 68.6812



36.1817, 25.7453, 7.3001



15.3179, 25.7453, 7.7656



15.6054, 25.7453, 70.7332

Rectangle

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



36.6907, 25.7453, 68.6812



42.2413, 25.7453, 23.8003



15.3179, 25.7453, 7.7656



12.5479, 25.7453, 32.7383

Sweetspot

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



36.6917, 25.7463, 68.6818



79.2163, 75.4910, 105.0038



29.7401, 29.8946, 69.8489



16.5251, 15.5038, 22.3715



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.



36.6917, 25.7463, 68.6818



47.2967, 29.7283, 97.8531



44.9396, 30.2036, 59.7954



13.1424, 13.0315, 16.4748



14.2407, 6.4656, 40.2358



1.0150, 0.4665, 2.6110

Inverse Universe

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



39.5372, 28.0426, 31.3467



52.4157, 33.7397, 36.0886



34.8990, 54.4033, 27.8199



13.2461, 13.1275, 14.5572



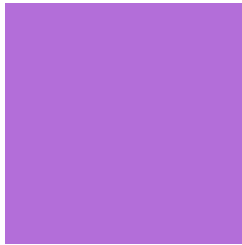
18.1802, 9.2731, 5.3290



1.2180, 0.6168, 0.5569

Previews

White Background



This preview shows how the XYZ color 36.6907, 25.7453, 68.6812 looks on a white background.

Color Contrast Check

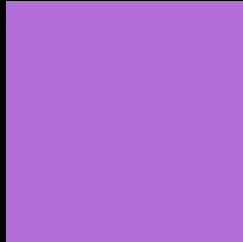
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6907, 25.7453, 68.6812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

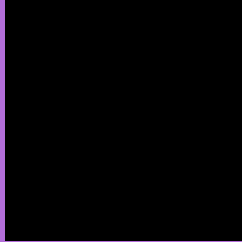
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.6907, 25.7453, 68.6812

Background



This preview shows how black text looks on a background with the XYZ color 36.6907, 25.7453, 68.6812.



This preview shows how white text looks on a background with the XYZ color 36.6907, 25.7453,

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

36.6907, 25.7453, 68.6812

Protanopia

29.0465, 26.2267, 85.9694

Deuteranopia

26.6994, 26.1114, 65.2608



Tritanopia

28.4468, 25.7801, 27.9028

Trichromacy



Original Color

36.6907, 25.7453, 68.6812



Protanomaly

30.4670, 25.2900, 79.6196



Deuteranomaly

29.0895, 25.0677, 66.2562



Tritanomaly

30.7292, 25.3670, 39.8359

Monochromacy



Original Color

36.6907, 25.7453, 68.6812



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

29.0823, 26.2028, 41.5551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6907, 25.7453, 68.6812 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(179, 110, 217)` looks like.

```
.text, #text, p{  
    color:rgb(179, 110, 217)  
}
```

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(179, 110, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 110, 217) }
```

Border

The CSS property to change the border of an element to XYZ 36.6907, 25.7453, 68.6812 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(179, 110, 217) }
```


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

```
.border{ border-color:rgb(179, 110, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 110, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 110, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 110, 217);  
box-shadow:4px 4px 4px 4px rgb(179, 110,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6907, 25.7453, 68.6812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 110, 217) }
```

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

```
.background{ background-color: rgb(179,  
110, 217) }
```

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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