

Converting Colors

XYZ(36.6480, 27.3709, 71.0617)

Have a look what the booklet for
XYZ(36.6480, 27.3709, 71.0617)
contains.

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Color

**XYZ(36.6480, 27.3709,
71.0617)**

Conversions

Conversions Part 1

Format	Color
Hex	AC78DC
RGB	172, 120, 220
RGB Percent	67%, 47%, 86%
CMY	0.3255, 0.5294, 0.1373
CMYK	0.22, 0.45, 0.00, 0.14
HSL	271°, 59%, 67%
HSV	271°, 45%, 86%
XYZ	36.6480, 27.3709, 71.0617
YIQ	146.9480, -1.1080, 42.1240

Conversions

Conversions Part 2

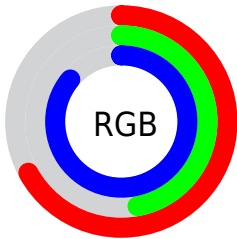
Format	Color
R _Y B	172, 120, 220
Decimal	11303132
CIE _{Lab}	59.32, 39.28, -43.63
CIE _{LCh}	59, 58.707, 312.001
Y _{xy}	27.3709, 0.2713, 0.2026
Android (android.graphics.Color)	4289493212 (0xFFAC78DC)
YUV	146.9480, 36.0146, 21.9706
Hunter-Lab	52.3172, 33.4834, -43.9107

Details

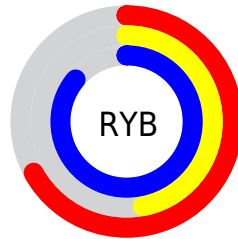
The XYZ color **36.6480, 27.3709, 71.0617** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **45.1325, 60.8679, 27.1403**, and the grayscale version is **27.5689, 29.0046, 31.5860**.

A 20% lighter version of the original color is **65.3067, 53.7652, 101.5434**, and **16.2271, 10.8426, 36.3595** is the 20% darker color. If you saturate the color by 10%, you get **32.0736, 21.5264, 70.1752**, and if you desaturate by 10%, it is **42.0163, 34.5280, 72.1607**.

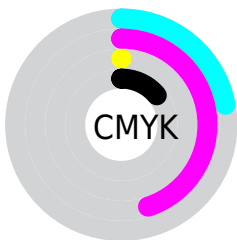
Distribution



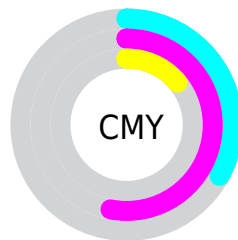
- Red (67%)
- Green (47%)
- Blue (86%)



- Red (67%)
- Yellow (47%)
- Blue (86%)



- Cyan (22%)
- Magenta (45%)
- Yellow (0%)
- Black (14%)



- Cyan (33%)
- Magenta (53%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6480, 27.3709, 71.0617 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 36.6480, 27.3709, 71.0617 by changing the saturation by 10% instead.

36.6480, 27.3709,
71.0617

36.6480, 27.3709,
71.0617

323.1661,
289.4485, 483.1586

25.1075, 17.8520,
51.9104

69.3484, 55.4785,
122.4168

16.2863, 10.8438,
36.5519

91.2391, 74.8359,
155.4578

9.8191, 5.9619,
24.5677

117.3104, 98.2416,
193.9657

5.3405, 2.8219,
15.5392

147.9279,
126.0801, 238.3591

2.4852, 1.0395,
9.0479

183.4569,
158.7356, 289.0565

0.8878, 0.0000,
4.6752

224.2627,

0.0000, 0.0000,

196.5925, 346.4766

2.0026

270.7106,
240.0354, 411.0377

■ 0.0000, 0.0000,
0.5569

■ 0.0000, 0.0000,
0.0000

■ 36.6480, 27.3709,
71.0617

■ 36.6480, 27.3709,
71.0617

■ 32.0736, 21.5264,
70.1752

■ 42.0163, 34.5280,
72.1607

■ 28.2438, 16.9047,
69.4849

■ 48.2179, 43.0730,
73.4832

■ 25.1074, 13.4095,
68.9756

■ 55.2928, 53.0791,
75.0417

■ 22.6045, 10.9276,
68.6285

■ 63.2773, 64.6134,
76.8472

■ 20.6626, 9.3208,
68.4207

■ 72.2058, 77.7387,
78.9100

■ 19.9102, 8.7718,
68.3544

■ 82.1104, 92.5142,
81.2400

■ 86.6570, 96.2660,
81.7245

■ 89.9184, 97.9473,
81.8771

Harmonies

Analogous

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



29.0615, 27.3709, 89.3997



36.6480, 27.3709, 71.0617



41.8789, 27.3709, 44.1184

Triad

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



36.6480, 27.3709, 71.0617



30.6246, 27.3709, 5.5201



14.5081, 27.3709, 39.0213

Complementary

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



36.6480, 27.3709, 71.0617



45.1325, 60.8679, 27.1403

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.



14.7686, 27.3709, 18.9758



36.6480, 27.3709, 71.0617



23.1896, 27.3709, 5.1720

Square

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



36.6480, 27.3709, 71.0617



37.9761, 27.3709, 10.1125



17.6680, 27.3709, 8.7261



16.8733, 27.3709, 65.8560

Rectangle

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



36.6480, 27.3709, 71.0617



42.8228, 27.3709, 28.4133



17.6680, 27.3709, 8.7261



14.3059, 27.3709, 31.2358

Sweetspot

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



36.6490, 27.3720, 71.0623



78.6742, 76.1934, 105.1680



34.7291, 37.2899, 73.0779



16.3485, 15.6060, 22.4005



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.



36.6490, 27.3720, 71.0623



44.8128, 30.0754, 98.0510



48.9309, 33.7289, 70.4905



12.9814, 12.9485, 16.4673



11.8145, 5.2148, 40.1223



0.8647, 0.3890, 2.6040

Inverse Universe

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



43.3003, 31.4767, 40.8399



55.7929, 36.8448, 48.4646



36.8320, 56.5770, 27.2845



13.3151, 13.1551, 14.9203



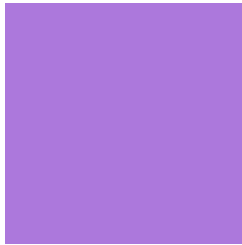
18.8924, 9.5580, 9.0796



1.2673, 0.6366, 0.8167

Previews

White Background



This preview shows how the XYZ color 36.6480, 27.3709, 71.0617 looks on a white background.

Color Contrast Check

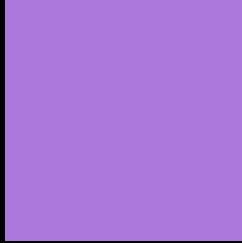
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6480, 27.3709, 71.0617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

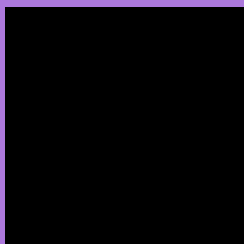
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.6480, 27.3709, 71.0617

Background



This preview shows how black text looks on a background with the XYZ color 36.6480, 27.3709, 71.0617.



This preview shows how white text looks on a background with the XYZ color 36.6480, 27.3709,

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

36.6480, 27.3709, 71.0617

Protanopia

30.4042, 27.8128, 84.6548

Deuteranopia

28.2454, 27.5035, 68.1100



Tritanopia

28.7093, 27.4715, 31.3931

Trichromacy



Original Color

36.6480, 27.3709, 71.0617



Protanomaly

31.7134, 27.1338, 79.1672



Deuteranomaly

30.5652, 26.9655, 69.2395



Tritanomaly

31.0661, 27.1811, 43.6535

Monochromacy



Original Color

36.6480, 27.3709, 71.0617



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

30.2959, 28.0152, 43.8551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6480, 27.3709, 71.0617 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(172, 120, 220)` looks like.

```
.text, #text, p{  
    color:rgb(172, 120, 220)  
}
```

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(172, 120, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 120, 220) }
```

Border

The CSS property to change the border of an element to XYZ 36.6480, 27.3709, 71.0617 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(172, 120, 220) }
```


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

```
.border{ border-color:rgb(172, 120, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 120, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 120, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 120, 220);  
box-shadow:4px 4px 4px 4px rgb(172, 120,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6480, 27.3709, 71.0617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 120, 220) }
```

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

```
.background{ background-color: rgb(172,  
120, 220) }
```

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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