

Converting Colors

XYZ(41.5466, 37.0558, 77.6015)

Have a look what the booklet for
XYZ(41.5466, 37.0558, 77.6015)
contains.

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Color

**XYZ(41.5692, 36.9821,
77.6204)**

Conversions

Conversions Part 1

Format	Color
Hex	A89AE3
RGB	168, 154, 227
RGB Percent	66%, 60%, 89%
CMY	0.3412, 0.3961, 0.1098
CMYK	0.26, 0.32, 0.00, 0.11
HSL	252°, 57%, 75%
HSV	252°, 32%, 89%
XYZ	41.5692, 36.9821, 77.6204
YIQ	166.5080, -15.0890, 25.6710

Conversions

Conversions Part 2

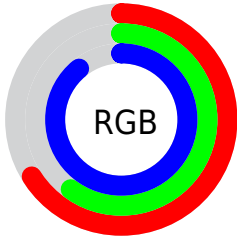
Format	Color
RYB	168, 154, 227
Decimal	11049699
CIELab	67.26, 20.64, -35.11
CIELCh	67, 40.722, 300.449
Yxy	36.9821, 0.2662, 0.2368
Android (android.graphics.Color)	4289239779 (0xFFA89AE3)
YUV	166.5080, 29.8226, 1.3085
Hunter-Lab	60.8129, 15.5927, -33.1076

Details

The XYZ color **41.5692, 36.9821, 77.6204** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.7433, 71.4182, 41.1569**, and the grayscale version is **36.3577, 38.2511, 41.6555**.

A 20% lighter version of the original color is **71.3463, 68.1790, 104.0073**, and **19.1404, 16.2182, 40.6497** is the 20% darker color. If you saturate the color by 10%, you get **34.5369, 28.3118, 76.3181**, and if you desaturate by 10%, it is **49.8636, 47.3563, 79.1863**.

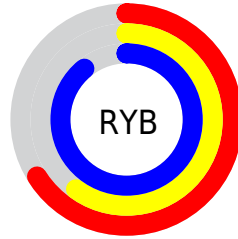
Distribution



Red (66%)

Green (60%)

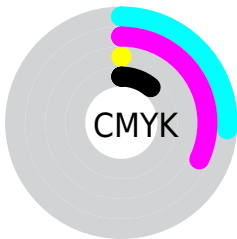
Blue (89%)



Red (66%)

Yellow (60%)

Blue (89%)

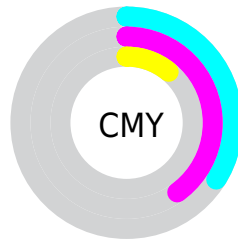


Cyan (26%)

Magenta (32%)

Yellow (0%)

Black (11%)



Cyan (34%)

Magenta (40%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5692, 36.9821, 77.6204 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 41.5692, 36.9821, 77.6204 by changing the saturation by 10% instead.

■ 41.5692, 36.9821,
77.6204

■ 41.5692, 36.9821,
77.6204

343.7161,
333.2330, 506.3704

■ 28.9537, 25.1936,
57.2476

■ 76.8165, 70.5453,
131.7959

■ 19.1899, 16.2214,
40.7934

■ 100.1790, 93.0887,
166.4356

■ 11.9124, 9.6809,
27.8392

127.8546,
119.9860, 206.6681

■ 6.7558, 5.1879,
17.9665

160.2086,
151.6215, 252.9119

■ 3.3548, 2.3579,
10.7567

197.6064,
188.3795, 305.5854

■ 1.3441, 0.8041,
5.7914

240.4134,

■ 0.2158, 0.0000,

230.6445, 365.1074

2.6519

288.9948,
278.8009, 431.8962

■ 0.0000, 0.0000,
0.9191

■ 0.0000, 0.0000,
0.0000

■ 41.5692, 36.9821,
77.6204

■ 41.5692, 36.9821,
77.6204

■ 34.5369, 28.3118,
76.3181

■ 49.8636, 47.3563,
79.1863

■ 28.6998, 21.2490,
75.2625

■ 59.4748, 59.5149,
81.0266

■ 23.9906, 15.6945,
74.4386

■ 70.4587, 73.5385,
83.1545

■ 20.3336, 11.5360,
73.8287

■ 82.8671, 89.5016,
85.5817

■ 17.6431, 8.6454,
73.4125

■ 90.8653, 98.3261,
86.8634

■ 15.8188, 6.8696,
73.1659

■ 14.8841, 6.0713,
73.0611

Harmonies

Analogous

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



35.2442, 36.9821, 85.1712



41.5692, 36.9821, 77.6204



46.6200, 36.9821, 59.6420

Triad

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



41.5692, 36.9821, 77.6204



41.3878, 36.9821, 17.2088



24.4920, 36.9821, 40.5364

Complementary

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



41.5692, 36.9821, 77.6204



60.7433, 71.4182, 41.1569

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.



25.7354, 36.9821, 25.6211



41.5692, 36.9821, 77.6204



35.0567, 36.9821, 14.8021

Square

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



41.5692, 36.9821, 77.6204



46.5069, 36.9821, 25.2785



29.4289, 36.9821, 17.3616



25.8117, 36.9821, 60.2485

Rectangle

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



41.5692, 36.9821, 77.6204



48.3189, 36.9821, 46.2247



29.4289, 36.9821, 17.3616



24.6223, 36.9821, 34.8450

Sweetspot

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



41.5705, 36.9836, 77.6213



80.2679, 81.0943, 106.0299



51.1423, 60.3165, 81.6205



16.7676, 16.8319, 22.6151



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.



41.5705, 36.9836, 77.6213



47.4577, 39.9165, 99.8111



50.2917, 41.4795, 78.0294



13.8395, 14.0195, 18.1209



8.7536, 3.5785, 42.6125



0.7200, 0.3021, 3.1523

Inverse Universe

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



55.2454, 44.2475, 68.5806



68.1829, 50.9381, 85.5400



51.4610, 66.6330, 40.7225



14.8704, 14.5653, 17.5177



23.5295, 11.5460, 27.4812



1.7693, 0.8654, 2.1917

Previews

White Background



This preview shows how the XYZ color 41.5692, 36.9821, 77.6204 looks on a white background.

Color Contrast Check

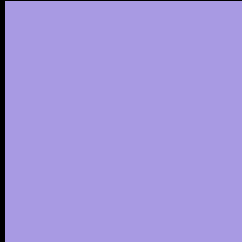
Large Text (above 18pt) WCAG AA × Fail

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 41.5692, 36.9821, 77.6204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

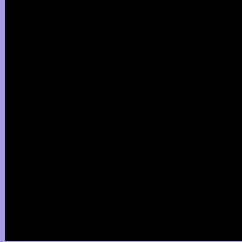
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.5692, 36.9821, 77.6204

Background



This preview shows how black text looks on a background with the XYZ color 41.5692, 36.9821, 77.6204.



This preview shows how white text looks on a background with the XYZ color 41.5692, 36.9821,

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

41.5692, 36.9821, 77.6204

Protanopia

38.4374, 37.0357, 82.2135

Deuteranopia

38.0125, 37.2062, 76.4122



Tritanopia

35.3118, 36.9943, 46.8745

Trichromacy



Original Color

41.5692, 36.9821, 77.6204

Protanomaly

39.4132, 36.8026, 80.6276

Deuteranomaly

39.2625, 37.0596, 77.0354

Tritanomaly

37.3214, 36.7631, 56.7587

Monochromacy



Original Color

41.5692, 36.9821, 77.6204

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.0420, 37.7303, 53.4218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5692, 36.9821, 77.6204 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(168, 154, 227)` looks like.

```
.text, #text, p{  
    color:rgb(168, 154, 227)  
}
```

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(168, 154, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 154, 227) }
```

Border

The CSS property to change the border of an element to XYZ 41.5692, 36.9821, 77.6204 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(168, 154, 227) }
```


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

```
.border{ border-color:rgb(168, 154, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 154, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 154, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 154, 227);  
box-shadow:4px 4px 4px 4px rgb(168, 154,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5692, 36.9821, 77.6204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 154, 227) }
```

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

```
.background{ background-color: rgb(168,  
154, 227) }
```

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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