

Converting Colors

XYZ(36.6273, 24.2481, 78.8944)

Have a look what the booklet for
XYZ(36.6273, 24.2481, 78.8944)
contains.

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Color

**XYZ(36.7724, 24.3276,
79.1015)**

Conversions

Conversions Part 1

Format	Color
Hex	AE66E8
RGB	174, 102, 232
RGB Percent	68%, 40%, 91%
CMY	0.3176, 0.6000, 0.0902
CMYK	0.25, 0.56, 0.00, 0.09
HSL	273°, 74%, 65%
HSV	273°, 56%, 91%
XYZ	36.7724, 24.3276, 79.1015
YIQ	138.3480, 1.1820, 55.6940

Conversions

Conversions Part 2

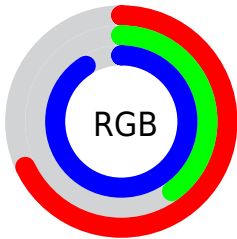
Format	Color
RYB	174, 102, 232
Decimal	11429608
CIELab	56.41, 52.20, -54.94
CIELCh	56, 75.786, 313.536
Yxy	24.3276, 0.2623, 0.1735
Android (android.graphics.Color)	4289619688 (0xFFAE66E8)
YUV	138.3480, 46.1704, 31.2668
Hunter-Lab	49.3230, 46.7640, -60.5599

Details

The XYZ color **36.7724, 24.3276, 79.1015** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **45.7526, 66.1466, 22.9273**, and the grayscale version is **24.1200, 25.3762, 27.6346**.

A 20% lighter version of the original color is **63.2172, 48.1527, 100.5702**, and **16.4483, 9.2673, 41.9962** is the 20% darker color. If you saturate the color by 10%, you get **32.5855, 19.2454, 78.3416**, and if you desaturate by 10%, it is **41.7768, 30.7790, 80.0834**.

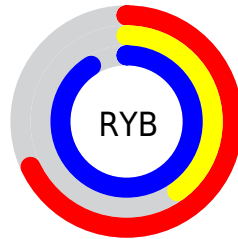
Distribution



Red (68%)

Green (40%)

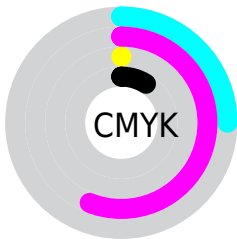
Blue (91%)



Red (68%)

Yellow (40%)

Blue (91%)

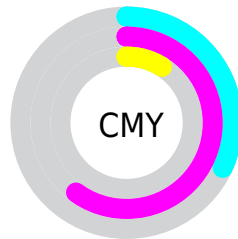


Cyan (25%)

Magenta (56%)

Yellow (0%)

Black (9%)



Cyan (32%)

Magenta (60%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7724, 24.3276, 79.1015 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 36.7724, 24.3276, 79.1015 by changing the saturation by 10% instead.

36.7724, 24.3276,
79.1015

36.7724, 24.3276,
79.1015

323.6968,
274.4726, 511.5263

25.2042, 15.5768,
58.4575

69.5387, 50.5643,
133.9017

16.3588, 9.2252,
41.7594

91.4675, 68.8189,
168.8949

9.8709, 4.8884,
28.5888

117.5805, 91.0104,
209.5083

5.3750, 2.1819,
18.5271

148.2432,
117.5229, 256.1604

2.5059, 0.7101,
11.1557

183.8208,
148.7410, 309.2697

0.8983, 0.0000,
6.0562

224.6786,

0.0000, 0.0000,

185.0491, 369.2548

2.8099

271.1822,
226.8315, 436.5341

■ 0.0000, 0.0000,
0.9984

■ 0.0000, 0.0000,
0.0000

■ 36.7724, 24.3276,
79.1015

■ 36.7724, 24.3276,
79.1015

■ 32.5855, 19.2454,
78.3416

■ 41.7768, 30.7790,
80.0834

■ 29.1544, 15.4179,
77.7837

■ 47.6481, 38.6954,
81.3020

■ 26.4122, 12.7163,
77.4068

■ 54.4346, 48.1673,
82.7726

■ 24.2753, 10.9801,
77.1843

■ 62.1801, 59.2768,
84.5087

■ 23.5422, 10.4539,
77.1213

■ 70.9253, 72.1000,
86.5229

■ 80.7085, 86.7083,
88.8269

■ 88.4921, 97.0218,
90.4074

■ 91.5656, 98.6062,
90.5512

Harmonies

Analogous

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



27.2930, 24.3276, 106.5042



36.7724, 24.3276, 79.1015



43.3275, 24.3276, 42.6461

Triad

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



36.7724, 24.3276, 79.1015



28.2321, 24.3276, 1.9330



10.3091, 24.3276, 39.4584

Complementary

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



36.7724, 24.3276, 79.1015



45.7526, 66.1466, 22.9273

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.



10.4397, 24.3276, 15.0348



36.7724, 24.3276, 79.1015



19.4003, 24.3276, 1.8237

Square

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



36.7724, 24.3276, 79.1015



37.6078, 24.3276, 5.2190



13.3534, 24.3276, 4.6508



12.9358, 24.3276, 75.5419

Rectangle

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



36.7724, 24.3276, 79.1015



44.3361, 24.3276, 23.6237



13.3534, 24.3276, 4.6508



10.0569, 24.3276, 29.5763

Sweetspot

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



36.7734, 24.3285, 79.1021



75.9852, 71.9068, 104.4823



32.7034, 33.9672, 81.1770



15.8337, 14.7696, 22.2662



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.



36.7734, 24.3285, 79.1021



39.7707, 23.1410, 96.9783



51.6896, 32.1228, 75.0688



14.3423, 14.2787, 18.1445



13.2168, 5.8794, 42.8214



1.0832, 0.4894, 3.1693

Inverse Universe

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



44.3758, 29.1973, 36.5549



50.7999, 30.1751, 36.5764



37.0702, 61.6320, 24.2704



14.6429, 14.4743, 16.3198



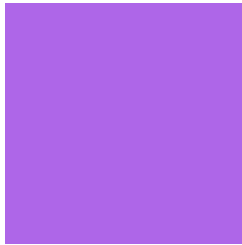
19.9096, 10.0981, 8.4190



1.5174, 0.7647, 0.8653

Previews

White Background



This preview shows how the XYZ color 36.7724, 24.3276, 79.1015 looks on a white background.

Color Contrast Check

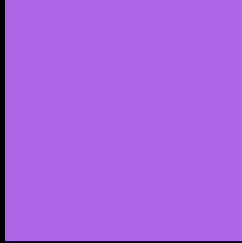
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7724, 24.3276, 79.1015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

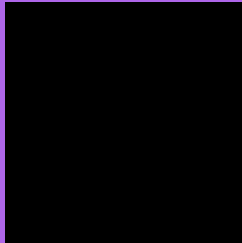
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.7724, 24.3276, 79.1015

Background



This preview shows how black text looks on a background with the XYZ color 36.7724, 24.3276, 79.1015.



This preview shows how white text looks on a background with the XYZ color 36.7724, 24.3276,

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

36.7724, 24.3276, 79.1015

Protanopia

28.5502, 24.6815, 97.8670

Deuteranopia

25.3753, 24.5811, 74.6414



Tritanopia

26.2053, 24.2540, 26.9672

Trichromacy



Original Color

36.7724, 24.3276, 79.1015



Protanomaly

29.5684, 23.2741, 90.9296



Deuteranomaly

27.8933, 23.4615, 76.4572



Tritanomaly

29.2347, 23.8279, 42.0881

Monochromacy



Original Color

36.7724, 24.3276, 79.1015



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

27.5425, 24.2251, 42.2540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7724, 24.3276, 79.1015 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(174, 102, 232)` looks like.

```
.text, #text, p{  
    color:rgb(174, 102, 232)  
}
```

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(174, 102, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 102, 232) }
```

Border

The CSS property to change the border of an element to XYZ 36.7724, 24.3276, 79.1015 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(174, 102, 232) }
```


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

```
.border{ border-color:rgb(174, 102, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 102, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 102, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 102, 232);  
box-shadow:4px 4px 4px 4px rgb(174, 102,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7724, 24.3276, 79.1015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 102, 232) }
```

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

```
.background{ background-color: rgb(174,  
102, 232) }
```

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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