

Converting Colors

XYZ(36.3788, 24.6234, 75.4753)

Have a look what the booklet for
XYZ(36.3788, 24.6234, 75.4753)
contains.

XYZ(36.3723, 24.6479, 75.5135)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.3723, 24.6479,
75.5135)**

Conversions

Conversions Part 1

Format	Color
Hex	AE69E3
RGB	174, 105, 227
RGB Percent	68%, 41%, 89%
CMY	0.3176, 0.5882, 0.1098
CMYK	0.23, 0.54, 0.00, 0.11
HSL	274°, 69%, 65%
HSV	274°, 54%, 89%
XYZ	36.3723, 24.6479, 75.5135
YIQ	139.5390, 1.9620, 52.5700

Conversions

Conversions Part 2

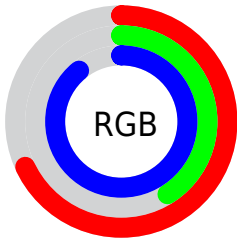
Format	Color
RYB	174, 105, 227
Decimal	11430371
CIELab	56.73, 49.51, -51.63
CIElCh	57, 71.537, 313.798
Yxy	24.6479, 0.2664, 0.1805
Android (android.graphics.Color)	4289620451 (0xFFAE69E3)
YUV	139.5390, 43.1183, 30.2223
Hunter-Lab	49.6467, 43.8916, -55.4286

Details

The XYZ color **36.3723, 24.6479, 75.5135** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **44.1199, 63.2276, 23.2442**, and the grayscale version is **24.5876, 25.8680, 28.1703**.

A 20% lighter version of the original color is **63.5556, 48.8295, 100.6830**, and **16.1411, 9.4302, 39.4976** is the 20% darker color. If you saturate the color by 10%, you get **32.2445, 19.5341, 74.7444**, and if you desaturate by 10%, it is **41.2803, 31.0807, 76.4969**.

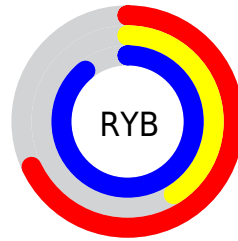
Distribution



Red (68%)

Green (41%)

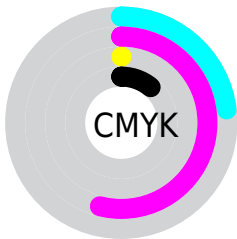
Blue (89%)



Red (68%)

Yellow (41%)

Blue (89%)

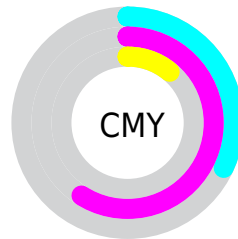


Cyan (23%)

Magenta (54%)

Yellow (0%)

Black (11%)



Cyan (32%)

Magenta (59%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3723, 24.6479, 75.5135 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 36.3723, 24.6479, 75.5135 by changing the saturation by 10% instead.

36.3723, 24.6479,
75.5135

36.3723, 24.6479,
75.5135

321.9878,
276.0799, 498.9831

24.8933, 15.8149,
55.5294

68.9264, 51.0854,
128.7928

16.1259, 9.3933,
39.4243

90.7323, 69.4588,
162.9250

9.7047, 4.9986,
26.7796

116.7111, 91.7811,
202.6104

5.2644, 2.2464,
17.1768

147.2283,
118.4366, 248.2674

2.4395, 0.7451,
10.1973

182.6493,
149.8099, 300.3147

0.8649, 0.0000,
5.4227

223.3392,

0.0000, 0.0000,

186.2853, 359.1707

2.4343

269.6636,
228.2471, 425.2540

■ 0.0000, 0.0000,
0.8050

■ 0.0000, 0.0000,
0.0000

■ 36.3723, 24.6479,
75.5135

■ 36.3723, 24.6479,
75.5135

■ 32.2445, 19.5341,
74.7444

■ 41.2803, 31.0807,
76.4969

■ 28.8402, 15.6339,
74.1710

■ 47.0137, 38.9207,
77.7080

■ 26.0987, 12.8303,
73.7744

■ 53.6173, 48.2519,
79.1611

■ 23.9456, 10.9799,
73.5307

■ 61.1315, 59.1505,
80.8687

■ 22.8257, 10.1654,
73.4325

■ 69.5942, 71.6875,
82.8425

■ 79.0407, 85.9296,
85.0936

■ 86.5983, 96.1264,
86.6635

■ 90.0943, 97.9287,
86.8271

■ 90.8652, 98.3261,
86.8632

Harmonies

Analogous

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



27.4640, 24.6479, 100.7177



36.3723, 24.6479, 75.5135



42.4489, 24.6479, 41.8013

Triad

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



36.3723, 24.6479, 75.5135



28.1929, 24.6479, 2.4813



11.0488, 24.6479, 39.3497

Complementary

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



36.3723, 24.6479, 75.5135



44.1199, 63.2276, 23.2442

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.



11.1547, 24.6479, 15.9534



36.3723, 24.6479, 75.5135



19.8065, 24.6479, 2.3807

Square

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



36.3723, 24.6479, 75.5135



37.0140, 24.6479, 5.9478



13.9880, 24.6479, 5.4626



13.6533, 24.6479, 72.8300

Rectangle

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



36.3723, 24.6479, 75.5135



43.3495, 24.6479, 23.9086



13.9880, 24.6479, 5.4626



10.7918, 24.6479, 29.9961

Sweetspot

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



36.3733, 24.6489, 75.5141



77.1644, 73.4665, 104.7212



32.2451, 33.6572, 77.4704



16.0740, 15.0809, 22.3137



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.



36.3733, 24.6489, 75.5141



41.6517, 25.0428, 97.2462



49.7685, 31.6499, 71.8232



14.3590, 14.2873, 18.1453



13.4482, 5.9987, 42.8322



1.0999, 0.4980, 3.1701

Inverse Universe

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



42.9022, 28.9034, 35.6659



51.6336, 31.5132, 37.8693



36.1702, 59.0919, 24.5682



14.6357, 14.4715, 16.2819



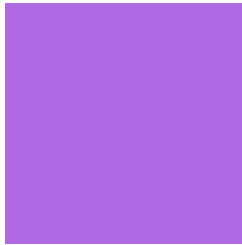
19.8339, 10.0678, 8.0201



1.5116, 0.7623, 0.8344

Previews

White Background



This preview shows how the XYZ color 36.3723, 24.6479, 75.5135 looks on a white background.

Color Contrast Check

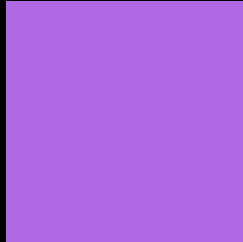
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3723, 24.6479, 75.5135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

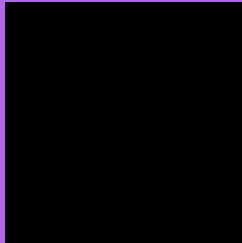
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.3723, 24.6479, 75.5135

Background



This preview shows how black text looks on a background with the XYZ color 36.3723, 24.6479, 75.5135.

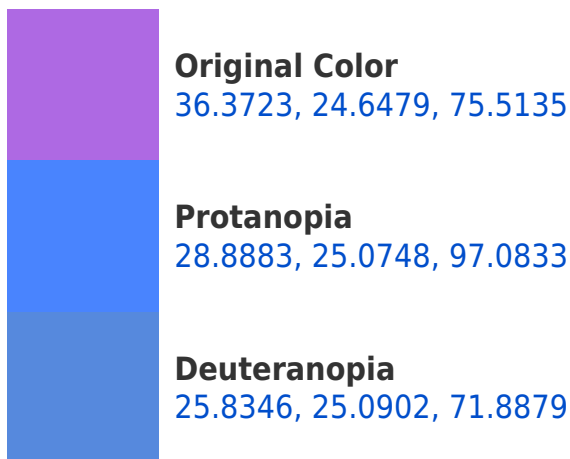


This preview shows how white text looks on a background with the XYZ color 36.3723, 24.6479,

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





Tritanopia

26.6047, 24.6442, 27.3994

Trichromacy



Original Color

36.3723, 24.6479, 75.5135



Protanomaly

29.7191, 23.7657, 88.6088



Deuteranomaly

28.1241, 23.8465, 72.9326



Tritanomaly

29.2820, 24.2277, 41.1633

Monochromacy



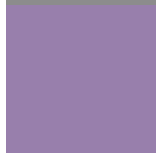
Original Color

36.3723, 24.6479, 75.5135



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

27.9847, 24.8327, 42.3480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3723, 24.6479, 75.5135 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, 105, 227)` looks like.

```
.text, #text, p{  
    color:rgb(174, 105, 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(174, 105, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 105, 227) }
```

Border

The CSS property to change the border of an element to XYZ 36.3723, 24.6479, 75.5135 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, 105, 227) }
```


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

```
.border{ border-color:rgb(174, 105, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 105, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 105, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 105, 227);  
box-shadow:4px 4px 4px 4px rgb(174, 105,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3723, 24.6479, 75.5135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 105, 227) }
```

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

```
.background{ background-color: rgb(174,  
105, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor