

Converting Colors

XYZ(35.5937, 24.8084, 80.3810)

Have a look what the booklet for
XYZ(35.5937, 24.8084, 80.3810)
contains.

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Color

**XYZ(35.6298, 24.7703,
80.7452)**

Conversions

Conversions Part 1

Format	Color
Hex	A46DEA
RGB	164, 109, 234
RGB Percent	64%, 43%, 92%
CMY	0.3568, 0.5725, 0.0824
CMYK	0.30, 0.53, 0.00, 0.08
HSL	266°, 75%, 67%
HSV	266°, 53%, 92%
XYZ	35.6298, 24.7703, 80.7452
YIQ	139.6950, -7.3450, 50.5350

Conversions

Conversions Part 2

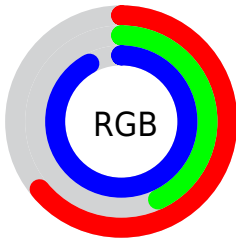
Format	Color
RYB	164, 109, 234
Decimal	10776042
CIELab	56.85, 46.51, -55.42
CIELCh	57, 72.351, 310.000
Yxy	24.7703, 0.2524, 0.1755
Android (android.graphics.Color)	4288966122 (0xFFA46DEA)
YUV	139.6950, 46.4924, 21.3155
Hunter-Lab	49.7698, 40.6897, -61.3517

Details

The XYZ color **35.6298, 24.7703, 80.7452** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **50.7738, 69.5339, 25.2140**, and the grayscale version is **24.6376, 25.9207, 28.2276**.

A 20% lighter version of the original color is **61.0945, 48.5903, 100.7666**, and **15.6841, 9.4904, 42.6002** is the 20% darker color. If you saturate the color by 10%, you get **30.8914, 19.1025, 79.9014**, and if you desaturate by 10%, it is **41.3132, 31.9122, 81.8246**.

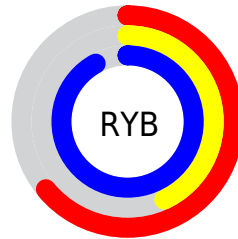
Distribution



Red (64%)

Green (43%)

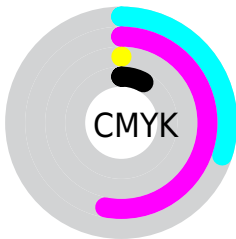
Blue (92%)



Red (64%)

Yellow (43%)

Blue (92%)

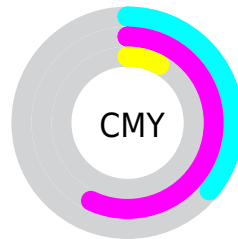


Cyan (30%)

Magenta (53%)

Yellow (0%)

Black (8%)



Cyan (36%)


Magenta (57%)


Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6298, 24.7703, 80.7452 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 35.6298, 24.7703, 80.7452 by changing the saturation by 10% instead.


 35.6298, 24.7703,
80.7452


 35.6298, 24.7703,
80.7452


318.7991,
276.6921, 517.2135


 24.3172, 15.9060,
59.8020


 67.7879, 51.2843,
136.2338


 15.6951, 9.4577,
42.8348


 89.3641, 69.7029,
171.6163

 9.3981, 5.0409,
29.4251


 115.0922, 92.0749,
212.6489

 5.0609, 2.2713,
19.1543

 145.3377,
118.7849, 259.7502

 2.3182, 0.7584,
11.6039

180.4657,
150.2172, 313.3388

 0.8039, 0.0000,
6.3553

220.8417,

 0.0000, 0.0000,

186.7563, 373.8332

2.9900

266.8311,
228.7864, 441.6519

■ 0.0000, 0.0000,
1.0896

■ 0.0000, 0.0000,
0.0000

■ 35.6298, 24.7703,
80.7452

■ 35.6298, 24.7703,
80.7452

■ 30.8914, 19.1025,
79.9014

■ 41.3132, 31.9122,
81.8246

■ 27.0325, 14.7937,
79.2731

■ 47.9946, 40.6256,
83.1543

■ 23.9830, 11.7155,
78.8397

■ 55.7265, 51.0028,
84.7498

■ 21.6578, 9.7115,
78.5754

■ 64.5562, 63.1277,
86.6248

■ 20.4407, 8.8220,
78.4679

■ 74.5284, 77.0788,
88.7920

■ 85.6848, 92.9294,
91.2635

■ 91.8514, 98.7206,
92.0563

Harmonies

Analogous

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



26.4839, 24.7703, 103.8302



35.6298, 24.7703, 80.7452



42.3858, 24.7703, 46.2579

Triad

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



35.6298, 24.7703, 80.7452



29.5595, 24.7703, 2.6033



10.8783, 24.7703, 35.9004

Complementary

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



35.6298, 24.7703, 80.7452



50.7738, 69.5339, 25.2140

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.



11.3231, 24.7703, 13.9643



35.6298, 24.7703, 80.7452



20.8291, 24.7703, 2.1854

Square

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



35.6298, 24.7703, 80.7452



38.3397, 24.7703, 6.7356



14.5556, 24.7703, 4.7046



13.1479, 24.7703, 69.3905

Rectangle

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



35.6298, 24.7703, 80.7452



43.8549, 24.7703, 26.9706



14.5556, 24.7703, 4.7046



10.7312, 24.7703, 26.9707

Sweetspot

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



35.6308, 24.7712, 80.7458



75.4755, 72.5958, 104.6421



37.4463, 41.7678, 83.9308



15.6720, 14.8737, 22.2949



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.



35.6308, 24.7712, 80.7458



37.0894, 22.6908, 97.0327



51.5801, 32.9934, 81.4922



14.8602, 14.8732, 19.0098



11.6256, 5.0292, 44.1009



1.0217, 0.4510, 3.4681

Inverse Universe

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



47.5375, 31.6850, 46.2580



53.6169, 32.3065, 48.3132



39.5648, 63.7554, 24.6894



15.4187, 15.1953, 17.4901



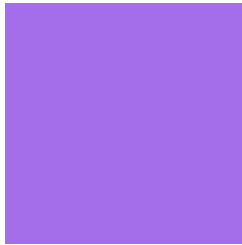
21.4357, 10.7770, 13.3616



1.7315, 0.8655, 1.3033

Previews

White Background



This preview shows how the XYZ color 35.6298, 24.7703, 80.7452 looks on a white background.

Color Contrast Check

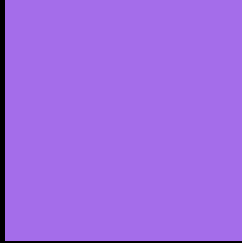
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6298, 24.7703, 80.7452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

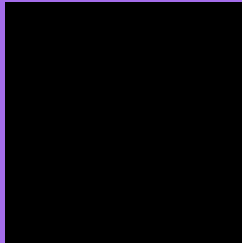
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.6298, 24.7703, 80.7452

Background



This preview shows how black text looks on a background with the XYZ color 35.6298, 24.7703, 80.7452.



This preview shows how white text looks on a background with the XYZ color 35.6298, 24.7703,

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

35.6298, 24.7703, 80.7452

Protanopia

28.9738, 25.1002, 97.9255

Deuteranopia

25.7733, 24.9486, 76.8560



Tritanopia

25.2418, 24.6887, 29.4216

Trichromacy



Original Color

35.6298, 24.7703, 80.7452



Protanomaly

29.8219, 24.1340, 91.0822



Deuteranomaly

27.9357, 24.0177, 78.0264



Tritanomaly

28.1810, 24.3222, 44.2836

Monochromacy



Original Color

35.6298, 24.7703, 80.7452



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

27.8847, 25.1461, 43.4284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6298, 24.7703, 80.7452 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(164, 109, 234)` looks like.

```
.text, #text, p{  
    color:rgb(164, 109, 234)  
}
```

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(164, 109, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 109, 234) }
```

Border

The CSS property to change the border of an element to XYZ 35.6298, 24.7703, 80.7452 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(164, 109, 234) }
```


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

```
.border{ border-color:rgb(164, 109, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 109, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 109, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 109, 234);  
box-shadow:4px 4px 4px 4px rgb(164, 109,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6298, 24.7703, 80.7452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 109, 234) }
```

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

```
.background{ background-color: rgb(164,  
109, 234) }
```

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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