

Converting Colors

XYZ(35.3186, 23.4887, 82.9080)

Have a look what the booklet for
XYZ(35.3186, 23.4887, 82.9080)
contains.

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Color

**XYZ(35.3473, 23.5097,
82.7956)**

Conversions

Conversions Part 1

Format	Color
Hex	A466ED
RGB	164, 102, 237
RGB Percent	64%, 40%, 93%
CMY	0.3568, 0.6000, 0.0706
CMYK	0.31, 0.57, 0.00, 0.07
HSL	268°, 79%, 66%
HSV	268°, 57%, 93%
XYZ	35.3473, 23.5097, 82.7956
YIQ	135.9280, -6.3830, 55.1290

Conversions

Conversions Part 2

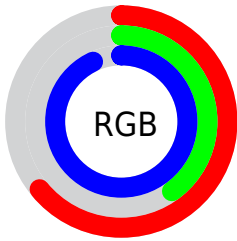
Format	Color
RYB	164, 102, 237
Decimal	10774253
CIELab	55.59, 50.97, -59.11
CIELCh	56, 78.053, 310.771
Yxy	23.5097, 0.2495, 0.1660
Android (android.graphics.Color)	4288964333 (0xFFA466ED)
YUV	135.9280, 49.8285, 24.6191
Hunter-Lab	48.4868, 45.2761, -67.3023

Details

The XYZ color **35.3473, 23.5097, 82.7956** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **50.3619, 70.6420, 23.5519**, and the grayscale version is **23.1970, 24.4051, 26.5771**.

A 20% lighter version of the original color is **59.8955, 46.1923, 100.3669**, and **15.4854, 8.7887, 44.0602** is the 20% darker color. If you saturate the color by 10%, you get **30.8295, 18.2036, 82.0100**, and if you desaturate by 10%, it is **40.7992, 30.2860, 83.8167**.

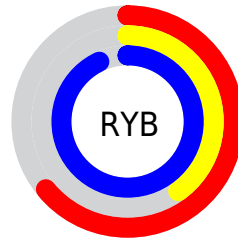
Distribution



Red (64%)

Green (40%)

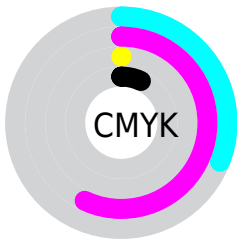
Blue (93%)



Red (64%)

Yellow (40%)

Blue (93%)

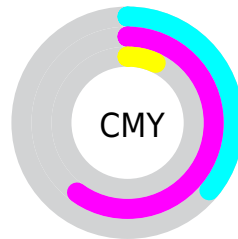


Cyan (31%)

Magenta (57%)

Yellow (0%)

Black (7%)



Cyan (36%)

Magenta (60%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3473, 23.5097, 82.7956 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 35.3473, 23.5097, 82.7956 by changing the saturation by 10% instead.

35.3473, 23.5097,
82.7956

35.3473, 23.5097,
82.7956

317.5799,
270.3322, 524.2582

24.0983, 14.9703,
61.4819

67.3539, 49.2289,
139.1358

15.5317, 8.7986,
44.1811

88.8423, 67.1775,
174.9994

9.2821, 4.6100,
30.4747

114.4744, 89.0313,
216.5501

4.9842, 2.0203,
19.9441

144.6157,
115.1747, 264.2064

2.2727, 0.6192,
12.1707

179.6316,
145.9921, 318.3868

0.7806, 0.0000,
6.7361

219.8873,

0.0000, 0.0000,

181.8679, 379.5098

3.2217

265.7483,
223.1865, 447.9941

■ 0.0000, 0.0000,
1.2089

■ 0.0000, 0.0000,
0.0000

■ 35.3473, 23.5097,
82.7956

■ 35.3473, 23.5097,
82.7956

■ 30.8295, 18.2036,
82.0100

■ 40.7992, 30.2860,
83.8167

■ 27.1766, 14.2443,
81.4383

■ 47.2413, 38.6370,
85.0890

■ 24.3127, 11.4914,
81.0579

■ 54.7283, 48.6603,
86.6291

■ 22.1413, 9.7644,
80.8390

■ 63.3097, 60.4446,
88.4514

■ 21.5741, 9.3560,
80.7900

■ 73.0317, 74.0722,
90.5694

■ 83.9377, 89.6203,
92.9957

■ 91.8133, 98.6507,
94.3236

■ 92.2862, 98.8945,
94.3458

Harmonies

Analogous

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



25.6660, 23.5097, 109.0707



35.3473, 23.5097, 82.7956



42.4825, 23.5097, 45.1529

Triad

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



35.3473, 23.5097, 82.7956



28.4077, 23.5097, 1.6748



9.4845, 23.5097, 35.7873

Complementary

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



35.3473, 23.5097, 82.7956



50.3619, 70.6420, 23.5519

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.



9.8548, 23.5097, 12.7045



35.3473, 23.5097, 82.7956



19.3241, 23.5097, 1.3915

Square

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



35.3473, 23.5097, 82.7956



37.8029, 23.5097, 5.1793



13.0010, 23.5097, 3.6226



11.8070, 23.5097, 72.2055

Rectangle

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



35.3473, 23.5097, 82.7956



43.9485, 23.5097, 24.9505



13.0010, 23.5097, 3.6226



9.3177, 23.5097, 26.2568

Sweetspot

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



35.3483, 23.5106, 82.7962



74.6420, 71.2143, 104.4194



36.3406, 40.0888, 85.9438



15.5168, 14.6062, 22.2514



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.



35.3483, 23.5106, 82.7962



35.7831, 20.7962, 96.7358



52.7514, 32.4822, 83.6106



14.8886, 14.8878, 19.0112



11.9263, 5.1841, 44.1150



1.0463, 0.4637, 3.4692

Inverse Universe

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



47.4147, 30.6030, 43.9652



52.0007, 30.3438, 43.8604



38.9590, 64.7636, 23.0183



15.4061, 15.1903, 17.4238



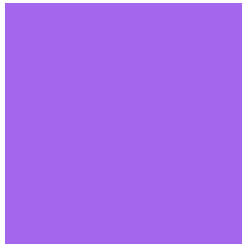
21.2676, 10.7097, 12.4765



1.7185, 0.8604, 1.2350

Previews

White Background



This preview shows how the XYZ color 35.3473, 23.5097, 82.7956 looks on a white background.

Color Contrast Check

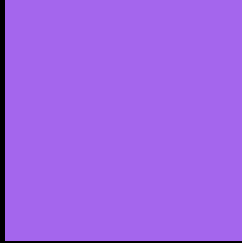
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.3473, 23.5097, 82.7956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

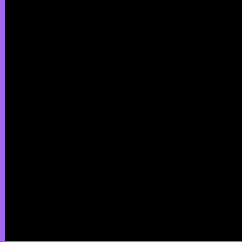
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.3473, 23.5097, 82.7956

Background



This preview shows how black text looks on a background with the XYZ color 35.3473, 23.5097, 82.7956.



This preview shows how white text looks on a background with the XYZ color 35.3473, 23.5097,

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

35.3473, 23.5097, 82.7956

Protanopia

27.8247, 23.9126, 97.7568

Deuteranopia

24.6342, 23.9110, 78.1798



Tritanopia

23.9837, 23.2931, 27.2767

Trichromacy



Original Color

35.3473, 23.5097, 82.7956



Protanomaly

28.5771, 22.5676, 91.6567



Deuteranomaly

26.6148, 22.5359, 80.0379



Tritanomaly

27.1857, 22.9250, 43.0365

Monochromacy



Original Color

35.3473, 23.5097, 82.7956



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

26.6045, 23.5434, 42.6773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3473, 23.5097, 82.7956 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, 102, 237)` looks like.

```
.text, #text, p{  
    color:rgb(164, 102, 237)  
}
```

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, 102, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 102, 237) }
```

Border

The CSS property to change the border of an element to XYZ 35.3473, 23.5097, 82.7956 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, 102, 237) }
```


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

```
.border{ border-color:rgb(164, 102, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 102, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 102, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 102, 237);  
box-shadow:4px 4px 4px 4px rgb(164, 102,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3473, 23.5097, 82.7956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 102, 237) }
```

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

```
.background{ background-color: rgb(164,  
102, 237) }
```

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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