

Converting Colors

XYZ(40.4886, 36.2805, 84.5298)

Have a look what the booklet for
XYZ(40.4886, 36.2805, 84.5298)
contains.

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Color

**XYZ(40.4062, 36.2353,
84.2213)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9AEC
RGB	156, 154, 236
RGB Percent	61%, 60%, 93%
CMY	0.3882, 0.3961, 0.0745
CMYK	0.34, 0.35, 0.00, 0.07
HSL	241°, 68%, 76%
HSV	241°, 35%, 93%
XYZ	40.4062, 36.2353, 84.2213
YIQ	163.9460, -25.1300, 25.9260

Conversions

Conversions Part 2

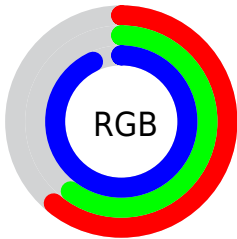
Format	Color
R _Y B	156, 154, 236
Decimal	10263276
CIE Lab	66.70, 19.50, -41.01
CIE LCh	67, 45.404, 295.428
Yxy	36.2353, 0.2512, 0.2253
Android (android.graphics.Color)	4288453356 (0xFF9C9AEC)
YUV	163.9460, 35.5226, -6.9686
Hunter-Lab	60.1958, 14.4749, -40.8170

Details

The XYZ color **40.4062, 36.2353, 84.2213** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.7606, 79.8171, 42.3027**, and the grayscale version is **35.1070, 36.9353, 40.2226**.

A 20% lighter version of the original color is **68.0464, 66.4779, 103.8528**, and **18.5680, 15.8206, 45.2551** is the 20% darker color. If you saturate the color by 10%, you get **32.8463, 27.1137, 82.8598**, and if you desaturate by 10%, it is **49.5788, 47.3263, 85.8793**.

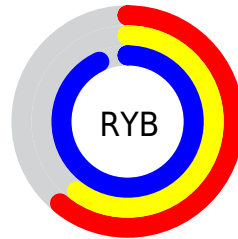
Distribution



Red (61%)

Green (60%)

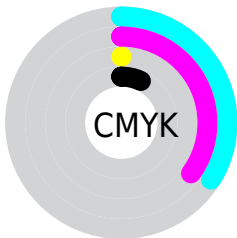
Blue (93%)



Red (61%)

Yellow (60%)

Blue (93%)

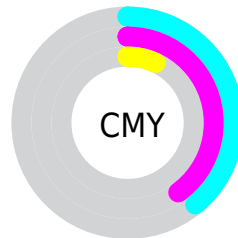


Cyan (34%)

Magenta (35%)

Yellow (0%)

Black (7%)



Cyan (39%)

Magenta (40%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4062, 36.2353, 84.2213 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 40.4062, 36.2353, 84.2213 by changing the saturation by 10% instead.

■ 40.4062, 36.2353,
84.2213

■ 40.4062, 36.2353,
84.2213

338.9378,
329.9878, 529.1251

■ 28.0410, 24.6160,
62.6517

■ 75.0621, 69.3951,
141.1492

■ 18.4972, 15.7912,
45.1203

■ 98.0835, 91.7043,
177.3446

■ 11.4094, 9.3765,
31.2086

125.3877,
118.3457, 219.2523

■ 6.4122, 4.9876,
20.4979

157.3400,
149.7036, 267.2909

■ 3.1403, 2.2400,
12.5698

194.3058,
186.1623, 321.8790

■ 1.2284, 0.7417,
7.0058

236.6505,

■ 0.1286, 0.0000,

228.1063, 383.4350

3.3872

284.7394,
275.9200, 452.3775

■ 0.0000, 0.0000,
1.2956

■ 0.0000, 0.0000,
0.0582

■ 40.4062, 36.2353,
84.2213

■ 40.4062, 36.2353,
84.2213

■ 32.8463, 27.1137,
82.8598

■ 49.5788, 47.3263,
85.8793

■ 26.8024, 19.8426,
81.7749

■ 60.4457, 60.4882,
87.8470

■ 22.1732, 14.2967,
80.9484

■ 73.0877, 75.8202,
90.1401

■ 18.8438, 10.3333,
80.3588

■ 87.5792, 93.4143,
92.7723

■ 16.6811, 7.7871,
79.9813

■ 92.1404, 98.8362,
93.5785

■ 15.5236, 6.4562,
79.7855

■ 15.2125, 6.0933,
79.7318

Harmonies

Analogous

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



33.4022, 36.2353, 90.2128



40.4062, 36.2353, 84.2213



46.4535, 36.2353, 64.9384

Triad

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



40.4062, 36.2353, 84.2213



42.4611, 36.2353, 15.8451



22.9170, 36.2353, 36.5256

Complementary

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



40.4062, 36.2353, 84.2213



69.7606, 79.8171, 42.3027

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.



24.7008, 36.2353, 21.6987



40.4062, 36.2353, 84.2213



35.5002, 36.2353, 12.5472

Square

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



40.4062, 36.2353, 84.2213



47.7459, 36.2353, 25.3822



29.0931, 36.2353, 14.2655



23.8698, 36.2353, 57.9516

Rectangle

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



40.4062, 36.2353, 84.2213



48.8126, 36.2353, 49.7167



29.0931, 36.2353, 14.2655



23.2090, 36.2353, 30.7109

Sweetspot

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



40.4075, 36.2367, 84.2222



78.8802, 80.3789, 105.9650



58.0712, 72.1339, 90.2200



16.4350, 16.6604, 22.5995



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.



40.4075, 36.2367, 84.2222



41.2964, 34.9012, 99.1678



49.5575, 40.9537, 84.6504



14.2652, 14.5664, 18.9820



8.4009, 3.3667, 43.9500



0.6717, 0.2706, 3.4517

Inverse Universe

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



60.9998, 46.8858, 83.6773



69.4464, 49.4613, 98.3046



57.9833, 73.7457, 41.7515



15.6980, 15.3071, 18.9611



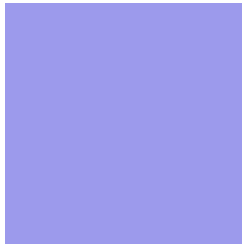
26.9671, 12.9895, 42.4898



2.1226, 1.0220, 3.3631

Previews

White Background



This preview shows how the XYZ color 40.4062, 36.2353, 84.2213 looks on a white background.

Color Contrast Check

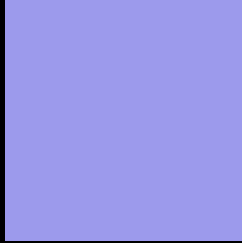
Large Text (above 18pt) WCAG AA × Fail

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 40.4062, 36.2353, 84.2213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

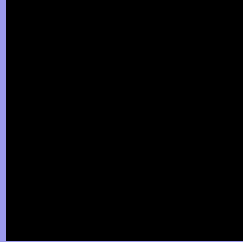
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4062, 36.2353, 84.2213

Background



This preview shows how black text looks on a background with the XYZ color 40.4062, 36.2353, 84.2213.



This preview shows how white text looks on a background with the XYZ color 40.4062, 36.2353,

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

40.4062, 36.2353, 84.2213

Protanopia

38.1180, 36.2384, 87.4238

Deuteranopia

37.4131, 36.4744, 83.6656



Tritanopia

33.1006, 36.3667, 47.9227

Trichromacy



Original Color

40.4062, 36.2353, 84.2213

Protanomaly

38.9647, 36.1856, 86.5922

Deuteranomaly

38.2068, 36.1146, 83.5544

Tritanomaly

35.5584, 36.3067, 59.7773

Monochromacy



Original Color

40.4062, 36.2353, 84.2213

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.5630, 36.4364, 53.8210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4062, 36.2353, 84.2213 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(156, 154, 236)` looks like.

```
.text, #text, p{  
    color:rgb(156, 154, 236)  
}
```

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(156, 154, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 154, 236) }
```

Border

The CSS property to change the border of an element to XYZ 40.4062, 36.2353, 84.2213 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(156, 154, 236) }
```


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

```
.border{ border-color:rgb(156, 154, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 154, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 154, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 154, 236);  
box-shadow:4px 4px 4px 4px rgb(156, 154,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4062, 36.2353, 84.2213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 154, 236) }
```

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

```
.background{ background-color: rgb(156,  
154, 236) }
```

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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