

Converting Colors

XYZ(40.8013, 33.5382, 86.1538)

Have a look what the booklet for
XYZ(40.8013, 33.5382, 86.1538)
contains.

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Color

**XYZ(40.7700, 33.5773,
85.9936)**

Conversions

Conversions Part 1

Format	Color
Hex	A58EEF
RGB	165, 142, 239
RGB Percent	65%, 56%, 94%
CMY	0.3529, 0.4431, 0.0627
CMYK	0.31, 0.41, 0.00, 0.06
HSL	254°, 75%, 75%
HSV	254°, 41%, 94%
XYZ	40.7700, 33.5773, 85.9936
YIQ	159.9350, -17.4290, 35.0430

Conversions

Conversions Part 2

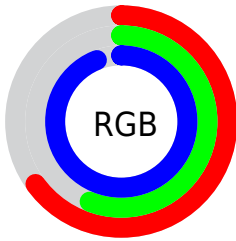
Format	Color
R_{YB}	165, 142, 239
Decimal	10850031
CIE _{Lab}	64.63, 29.56, -45.86
CIE _{LCh}	65, 54.561, 302.804
Yxy	33.5773, 0.2543, 0.2094
Android (android.graphics.Color)	4289040111 (0xFFA58EEF)
YUV	159.9350, 38.9790, 4.4420
Hunter-Lab	57.9459, 24.1849, -47.4261

Details

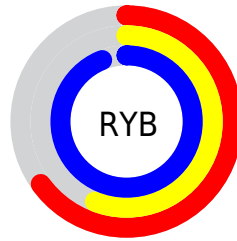
The XYZ color **40.7700, 33.5773, 85.9936** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **64.0685, 78.2855, 37.3262**, and the grayscale version is **33.2166, 34.9465, 38.0567**.

A 20% lighter version of the original color is **67.9141, 62.2295, 103.0398**, and **18.6150, 14.1746, 46.0108** is the 20% darker color. If you saturate the color by 10%, you get **34.0621, 25.3950, 84.7684**, and if you desaturate by 10%, it is **48.7833, 43.5655, 87.4998**.

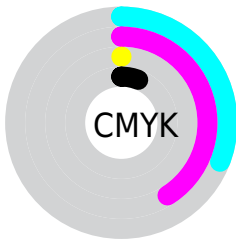
Distribution



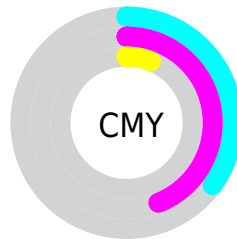
- Red (65%)
- Green (56%)
- Blue (94%)



- Red (65%)
- Yellow (56%)
- Blue (94%)



- Cyan (31%)
- Magenta (41%)
- Yellow (0%)
- Black (6%)




- Cyan (35%)
- Magenta (44%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7700, 33.5773, 85.9936 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 40.7700, 33.5773, 85.9936 by changing the saturation by 10% instead.


 40.7700, 33.5773,
85.9936


 40.7700, 33.5773,
85.9936

340.4374,
318.2431, 535.1402


 28.3263, 22.5691,
64.1078


 75.6115, 65.2758,
143.6470

 18.7135, 14.2756,
46.2913


 98.7401, 86.7348,
180.2517

 11.5662, 8.3126,
32.1254


 126.1609,
112.4463, 222.5999

 6.5191, 4.2956,
21.1917

158.2395,
142.7945, 271.1099

 3.2069, 1.8403,
13.0716

195.3410,
178.1639, 326.2004

 1.2641, 0.5121,
7.3466

237.8310,

 0.1561, 0.0000,

218.9389, 388.2899

3.5980

286.0747,
265.5038, 457.7970

■ 0.0000, 0.0000,
1.4075

■ 0.0000, 0.0000,
0.1476

■ 40.7700, 33.5773,
85.9936

■ 40.7700, 33.5773,
85.9936

■ 34.0621, 25.3950,
84.7684

■ 48.7833, 43.5655,
87.4998

■ 28.5840, 18.9045,
83.8044

■ 58.1646, 55.4563,
89.3005

■ 24.2576, 13.9849,
83.0828

■ 68.9766, 69.3442,
91.4113

■ 20.9937, 10.4966,
82.5815

■ 81.2772, 85.3161,
93.8458

■ 18.6884, 8.2747,
82.2741

■ 92.5801, 99.0120,
95.8937

■ 17.2488, 7.0923,
82.1218

Harmonies

Analogous

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



32.6552, 33.5773, 98.6159



40.7700, 33.5773, 85.9936



47.2377, 33.5773, 59.9753

Triad

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



40.7700, 33.5773, 85.9936



39.2889, 33.5773, 10.0819



19.1320, 33.5773, 38.7065

Complementary

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



40.7700, 33.5773, 85.9936



64.0685, 78.2855, 37.3262

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.



20.3246, 33.5773, 20.2034



40.7700, 33.5773, 85.9936



31.1845, 33.5773, 8.2161

Square

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



40.7700, 33.5773, 85.9936



46.2891, 33.5773, 17.8454



24.4437, 33.5773, 11.0006



20.8738, 33.5773, 65.1931

Rectangle

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



40.7700, 33.5773, 85.9936



49.2707, 33.5773, 42.2220



24.4437, 33.5773, 11.0006



19.2035, 33.5773, 31.4282

Sweetspot

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



40.7712, 33.5786, 85.9944



77.9804, 77.8449, 105.5233



51.3862, 61.2836, 90.7825



16.3259, 16.1914, 22.5147



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.



40.7712, 33.5786, 85.9944



40.4723, 30.6390, 98.3885



52.7332, 39.7452, 86.5542



15.2481, 15.4096, 19.8923



9.6287, 3.9692, 45.3865



0.8867, 0.3744, 3.7797

Inverse Universe

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



57.6650, 42.6556, 70.1601



62.8707, 42.6951, 76.4276



51.8700, 71.9970, 36.7553



16.2846, 15.9636, 19.0551



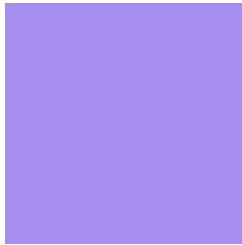
24.4098, 12.0364, 25.8726



2.0688, 1.0166, 2.3532

Previews

White Background



This preview shows how the XYZ color 40.7700, 33.5773, 85.9936 looks on a white background.

Color Contrast Check

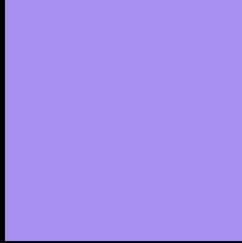
Large Text (above 18pt) WCAG AA × Fail

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 40.7700, 33.5773, 85.9936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

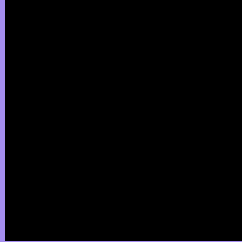
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7700, 33.5773, 85.9936

Background



This preview shows how black text looks on a background with the XYZ color 40.7700, 33.5773, 85.9936.



This preview shows how white text looks on a background with the XYZ color 40.7700, 33.5773,

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

40.7700, 33.5773, 85.9936

Protanopia

36.4002, 33.9438, 94.2558

Deuteranopia

34.7745, 33.8261, 84.0532



Tritanopia

31.9809, 33.5578, 42.3278

Trichromacy



Original Color

40.7700, 33.5773, 85.9936

Protanomaly

37.5411, 33.6395, 90.9006

Deuteranomaly

36.5060, 33.4819, 84.6593

Tritanomaly

34.6761, 33.4194, 55.6619

Monochromacy



Original Color

40.7700, 33.5773, 85.9936

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

35.4768, 34.1380, 52.8636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7700, 33.5773, 85.9936 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(165, 142, 239)` looks like.

```
.text, #text, p{  
    color:rgb(165, 142, 239)  
}
```

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(165, 142, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 142, 239) }
```

Border

The CSS property to change the border of an element to XYZ 40.7700, 33.5773, 85.9936 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(165, 142, 239) }
```


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

```
.border{ border-color:rgb(165, 142, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 142, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 142, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 142, 239);  
box-shadow:4px 4px 4px 4px rgb(165, 142,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7700, 33.5773, 85.9936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 142, 239) }
```

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

```
.background{ background-color: rgb(165,  
142, 239) }
```

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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