

Converting Colors

XYZ(41.9859, 33.0728, 88.1752)

Have a look what the booklet for
XYZ(41.9859, 33.0728, 88.1752)
contains.

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Color

**XYZ(41.9859, 33.0728,
88.1752)**

Conversions

Conversions Part 1

Format	Color
Hex	AC89F2
RGB	172, 137, 242
RGB Percent	67%, 54%, 95%
CMY	0.3255, 0.4627, 0.0510
CMYK	0.29, 0.43, 0.00, 0.05
HSL	260°, 80%, 74%
HSV	260°, 43%, 95%
XYZ	41.9859, 33.0728, 88.1752
YIQ	159.4350, -12.8450, 40.0750

Conversions

Conversions Part 2

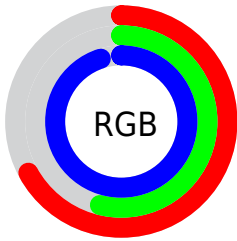
Format	Color
R _Y B	172, 137, 242
Decimal	11307506
CIE _{Lab}	64.22, 35.02, -48.11
CIE _{LCh}	64, 59.506, 306.052
Yxy	33.0728, 0.2572, 0.2026
Android (android.graphics.Color)	4289497586 (0xFFAC89F2)
YUV	159.4350, 40.7045, 11.0195
Hunter-Lab	57.5090, 29.6779, -50.6497

Details

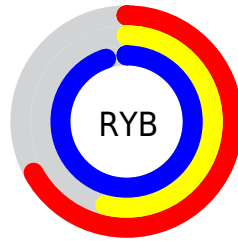
The XYZ color **41.9859, 33.0728, 88.1752** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.0003, 78.5765, 35.5671**, and the grayscale version is **32.9784, 34.6958, 37.7838**.

A 20% lighter version of the original color is **68.9939, 61.1396, 102.7725**, and **19.4209, 13.9403, 47.5661** is the 20% darker color. If you saturate the color by 10%, you get **35.5954, 25.2321, 86.9992**, and if you desaturate by 10%, it is **49.5802, 42.6804, 89.6300**.

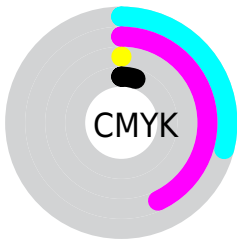
Distribution



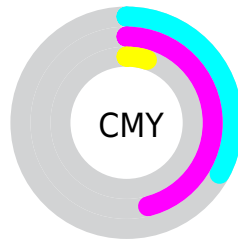
- Red (67%)
- Green (54%)
- Blue (95%)



- Red (67%)
- Yellow (54%)
- Blue (95%)



- Cyan (29%)
- Magenta (43%)
- Yellow (0%)
- Black (5%)



- Cyan (33%)
- Magenta (46%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9859, 33.0728, 88.1752 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 41.9859, 33.0728, 88.1752 by changing the saturation by 10% instead.

41.9859, 33.0728,
88.1752

41.9859, 33.0728,
88.1752

345.4171,
315.9776, 542.4930

29.2813, 22.1822,
65.9030

77.4436, 64.4892,
146.7143

19.4391, 13.9909,
47.7377

100.9274, 85.7838,
183.8184

12.0939, 8.1143,
33.2607

128.7350,
111.3151, 226.7034

6.8803, 4.1682,
22.0535

161.2317,
141.4677, 275.7880

3.4330, 1.7681,
13.6975

198.7829,
176.6258, 331.4908

1.3867, 0.4672,
7.7742

241.7540,

0.2467, 0.0000,

217.1739, 394.2301

3.8651

290.5103,
263.4964, 464.4247

■ 0.0000, 0.0000,
1.5517

■ 0.0000, 0.0000,
0.2560

■ 41.9859, 33.0728,
88.1752

■ 41.9859, 33.0728,
88.1752

■ 35.5954, 25.2321,
86.9992

■ 49.5802, 42.6804,
89.6300

■ 30.3374, 19.0423,
86.0816

■ 58.4364, 54.1533,
91.3777

■ 26.1383, 14.3788,
85.4028

■ 68.6132, 67.5870,
93.4343

■ 22.9128, 11.0972,
84.9393

■ 80.1643, 83.0694,
95.8139

■ 20.5601, 9.0228,
84.6629

■ 92.1748, 98.7515,
98.2078

■ 19.3921, 8.1456,
84.5552

■ 93.0271, 99.1909,
98.2477

Harmonies

Analogous

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



33.1770, 33.0728, 104.8261



41.9859, 33.0728, 88.1752



48.7219, 33.0728, 58.3637

Triad

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



41.9859, 33.0728, 88.1752



38.4932, 33.0728, 8.0458



17.9003, 33.0728, 41.1365

Complementary

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



41.9859, 33.0728, 88.1752



62.0003, 78.5765, 35.5671

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.



18.8131, 33.0728, 20.2472



41.9859, 33.0728, 88.1752



29.7545, 33.0728, 6.7450

Square

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



41.9859, 33.0728, 88.1752



46.4661, 33.0728, 14.9983



22.8182, 33.0728, 9.9883



20.0545, 33.0728, 70.8752

Rectangle

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



41.9859, 33.0728, 88.1752



50.5643, 33.0728, 39.3067



22.8182, 33.0728, 9.9883



17.8646, 33.0728, 32.9042

Sweetspot

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



41.9871, 33.0741, 88.1760



77.7031, 76.6897, 105.3149



48.6574, 56.3559, 92.3183



16.0580, 15.6523, 22.4248



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.



41.9871, 33.0741, 88.1760



40.9109, 29.4096, 98.1281



55.8693, 40.2306, 88.8256



15.3937, 15.4847, 19.8991



10.5467, 4.4424, 45.4295



0.9790, 0.4220, 3.7841

Inverse Universe

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



56.8269, 41.2746, 64.0038



59.9815, 39.9706, 66.0499



49.6903, 72.2304, 34.9910



16.2172, 15.9366, 18.7001



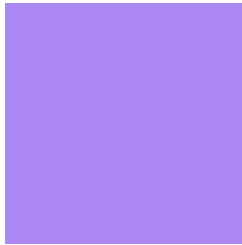
23.2091, 11.5561, 19.5495



1.9767, 0.9797, 1.8683

Previews

White Background



This preview shows how the XYZ color 41.9859, 33.0728, 88.1752 looks on a white background.

Color Contrast Check

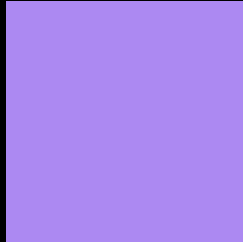
Large Text (above 18pt) WCAG AA × Fail

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 41.9859, 33.0728, 88.1752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

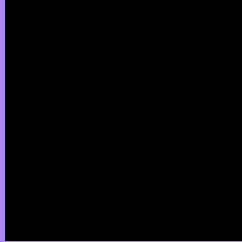
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9859, 33.0728, 88.1752

Background



This preview shows how black text looks on a background with the XYZ color 41.9859, 33.0728, 88.1752.



This preview shows how white text looks on a background with the XYZ color 41.9859, 33.0728,

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

41.9859, 33.0728, 88.1752

Protanopia

36.3485, 33.3213, 99.1236

Deuteranopia

34.2242, 33.2606, 85.5050



Tritanopia

32.3432, 33.0325, 40.7476

Trichromacy



Original Color

41.9859, 33.0728, 88.1752

Protanomaly

37.8424, 33.0038, 94.8183

Deuteranomaly

36.3232, 32.6460, 86.0482

Tritanomaly

35.2278, 32.7562, 55.5048

Monochromacy



Original Color

41.9859, 33.0728, 88.1752

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.5618, 33.6999, 52.7745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9859, 33.0728, 88.1752 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(172, 137, 242)` looks like.

```
.text, #text, p{  
    color:rgb(172, 137, 242)  
}
```

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(172, 137, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 137, 242) }
```

Border

The CSS property to change the border of an element to XYZ 41.9859, 33.0728, 88.1752 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(172, 137, 242) }
```


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

```
.border{ border-color:rgb(172, 137, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 137, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 137, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 137, 242);  
box-shadow:4px 4px 4px 4px rgb(172, 137,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9859, 33.0728, 88.1752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 137, 242) }
```

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

```
.background{ background-color: rgb(172,  
137, 242) }
```

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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