

Converting Colors

XYZ(42.6519, 33.4161, 88.2064)

Have a look what the booklet for
XYZ(42.6519, 33.4161, 88.2064)
contains.

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Color

**XYZ(42.6519, 33.4161,
88.2064)**

Conversions

Conversions Part 1

Format	Color
Hex	AF89F2
RGB	175, 137, 242
RGB Percent	69%, 54%, 95%
CMY	0.3137, 0.4627, 0.0510
CMYK	0.28, 0.43, 0.00, 0.05
HSL	262°, 80%, 74%
HSV	262°, 43%, 95%
XYZ	42.6519, 33.4161, 88.2064
YIQ	160.3320, -11.0570, 40.7110

Conversions

Conversions Part 2

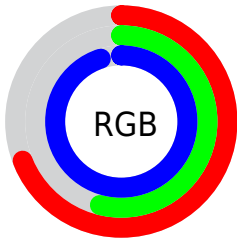
Format	Color
R_{YB}	175, 137, 242
Decimal	11504114
CIE Lab	64.50, 35.83, -47.65
CIE LCh	64, 59.623, 306.939
Yxy	33.4161, 0.2596, 0.2034
Android (android.graphics.Color)	4289694194 (0xFFAF89F2)
YUV	160.3320, 40.2623, 12.8638
Hunter-Lab	57.8067, 30.5423, -50.0051

Details

The XYZ color **42.6519, 33.4161, 88.2064** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.1700, 78.1484, 35.5282**, and the grayscale version is **33.3915, 35.1304, 38.2570**.

A 20% lighter version of the original color is **69.9595, 61.6374, 102.8177**, and **19.8305, 14.1514, 47.5853** is the 20% darker color. If you saturate the color by 10%, you get **36.3200, 25.6057, 87.0332**, and if you desaturate by 10%, it is **50.1541, 42.9762, 89.6569**.

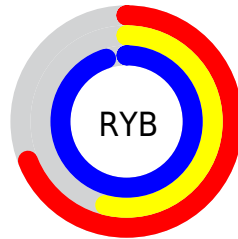
Distribution



Red (69%)

Green (54%)

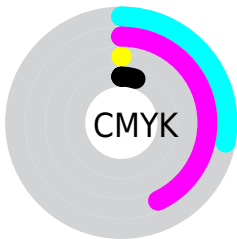
Blue (95%)



Red (69%)

Yellow (54%)

Blue (95%)

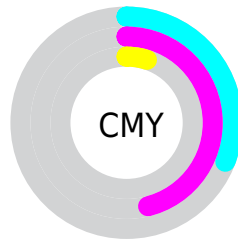


Cyan (28%)

Magenta (43%)

Yellow (0%)

Black (5%)



Cyan (31%)

Magenta (46%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6519, 33.4161, 88.2064 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 42.6519, 33.4161, 88.2064 by changing the saturation by 10% instead.

42.6519, 33.4161,
88.2064

42.6519, 33.4161,
88.2064

348.1241,
317.5206, 542.5977

29.8054, 22.4454,
65.9287

78.4443, 65.0246,
146.7581

19.8383, 14.1845,
47.7584

102.1209, 86.4312,
183.8693

12.3851, 8.2491,
33.2770

130.1383,
112.0853, 226.7620

7.0806, 4.2548,
22.0659

162.8618,
142.3711, 275.8548

3.5593, 1.8171,
13.7065

200.6568,
177.6732, 331.5662

1.4560, 0.4978,
7.7804

243.8886,

0.2956, 0.0000,

218.3758, 394.3148

3.8690

292.9226,
264.8635, 464.5191

■ 0.0000, 0.0000,
1.5538

■ 0.0000, 0.0000,
0.2575

■ 42.6519, 33.4161,
88.2064

■ 42.6519, 33.4161,
88.2064

■ 36.3200, 25.6057,
87.0332

■ 50.1541, 42.9762,
89.6569

■ 31.0891, 19.4298,
86.1168

■ 58.8827, 54.3833,
91.3986

■ 26.8878, 14.7652,
85.4379

■ 68.8948, 67.7322,
93.4475

■ 23.6333, 11.4685,
84.9731

■ 80.2424, 83.1096,
95.8176

■ 21.2273, 9.3668,
84.6942

■ 92.0088, 98.6659,
98.2001

■ 20.0123, 8.4653,
84.5842

■ 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.



33.7804, 33.4161, 105.6055



42.6519, 33.4161, 88.2064



49.3333, 33.4161, 58.0170

Triad

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



42.6519, 33.4161, 88.2064



38.6160, 33.4161, 8.0465



18.1225, 33.4161, 42.3486

Complementary

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



42.6519, 33.4161, 88.2064



61.1700, 78.1484, 35.5282

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.



18.9524, 33.4161, 20.9339



42.6519, 33.4161, 88.2064



29.8237, 33.4161, 6.8648

Square

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



42.6519, 33.4161, 88.2064



46.7276, 33.4161, 14.8534



22.9024, 33.4161, 10.3011



20.3893, 33.4161, 72.4663

Rectangle

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



42.6519, 33.4161, 88.2064



51.0770, 33.4161, 38.9464



22.9024, 33.4161, 10.3011



18.0561, 33.4161, 33.9374

Sweetspot

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



42.6532, 33.4174, 88.2072



78.0131, 76.8495, 105.3295



48.2357, 55.5126, 92.1778



16.1340, 15.6915, 22.4284



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.



42.6532, 33.4174, 88.2072



41.7207, 29.8271, 98.1660



56.4161, 40.5124, 88.8513



15.4373, 15.5071, 19.9012



10.8869, 4.6178, 45.4454



1.0110, 0.4384, 3.7856

Inverse Universe

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



56.4635, 41.1293, 62.0900



59.5125, 39.7830, 63.5803



49.3582, 72.0592, 34.9755



16.1974, 15.9287, 18.5955



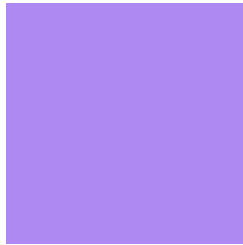
22.8913, 11.4290, 17.8762



1.9518, 0.9698, 1.7371

Previews

White Background



This preview shows how the XYZ color 42.6519, 33.4161, 88.2064 looks on a white background.

Color Contrast Check

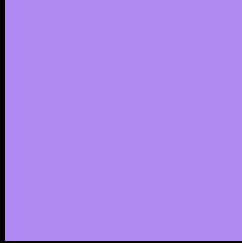
Large Text (above 18pt) WCAG AA × Fail

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 42.6519, 33.4161, 88.2064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

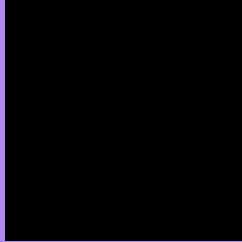
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6519, 33.4161, 88.2064

Background



This preview shows how black text looks on a background with the XYZ color 42.6519, 33.4161, 88.2064.



This preview shows how white text looks on a background with the XYZ color 42.6519, 33.4161,

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

42.6519, 33.4161, 88.2064

Protanopia

36.6437, 33.7155, 99.1841

Deuteranopia

34.6572, 33.7319, 85.5732



Tritanopia

33.1365, 33.4414, 40.7848

Trichromacy



Original Color

42.6519, 33.4161, 88.2064



Protanomaly

38.0056, 33.0879, 94.8260



Deuteranomaly

36.8087, 33.1302, 86.1161



Tritanomaly

36.0534, 33.1818, 55.5435

Monochromacy



Original Color

42.6519, 33.4161, 88.2064



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

36.0396, 34.1735, 53.4119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6519, 33.4161, 88.2064 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(175, 137, 242)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 137, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 137, 242) }
```

Border

The CSS property to change the border of an element to XYZ 42.6519, 33.4161, 88.2064 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(175, 137, 242) }
```


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

```
.border{ border-color:rgb(175, 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(175, 137, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 137, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 137, 242);  
box-shadow:4px 4px 4px 4px rgb(175, 137,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6519, 33.4161, 88.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 137, 242) }
```

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

```
.background{ background-color: rgb(175,  
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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