

Converting Colors

XYZ(41.1651, 33.6821, 83.4647)

Have a look what the booklet for
XYZ(41.1651, 33.6821, 83.4647)
contains.

XYZ(41.2428, 33.6519, 83.6786)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.2428, 33.6519,
83.6786)**

Conversions

Conversions Part 1

Format	Color
Hex	AA8DEC
RGB	170, 141, 236
RGB Percent	67%, 55%, 93%
CMY	0.3333, 0.4470, 0.0745
CMYK	0.28, 0.40, 0.00, 0.07
HSL	258°, 71%, 74%
HSV	258°, 40%, 93%
XYZ	41.2428, 33.6519, 83.6786
YIQ	160.5010, -13.2110, 35.6930

Conversions

Conversions Part 2

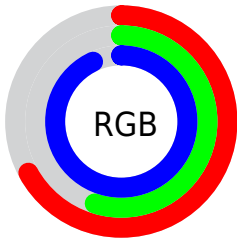
Format	Color
R _{YB}	170, 141, 236
Decimal	11177452
CIE _{Lab}	64.69, 30.75, -44.08
CIE _{LCh}	65, 53.750, 304.901
Yxy	33.6519, 0.2601, 0.2122
Android (android.graphics.Color)	4289367532 (0xFFAA8DEC)
YUV	160.5010, 37.2210, 8.3306
Hunter-Lab	58.0103, 25.3879, -44.9174

Details

The XYZ color **41.2428, 33.6519, 83.6786** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **60.5358, 75.1799, 36.5210**, and the grayscale version is **33.4836, 35.2274, 38.3626**.

A 20% lighter version of the original color is **69.2437, 62.5811, 103.0376**, and **18.9646, 14.2525, 44.9315** is the 20% darker color. If you saturate the color by 10%, you get **34.8007, 25.7044, 82.4847**, and if you desaturate by 10%, it is **48.8708, 43.3126, 85.1419**.

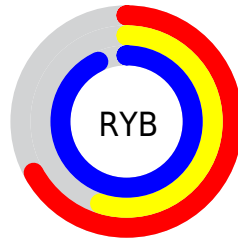
Distribution



Red (67%)

Green (55%)

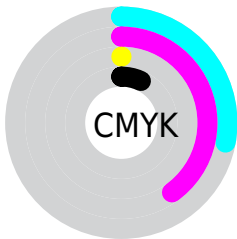
Blue (93%)



Red (67%)

Yellow (55%)

Blue (93%)

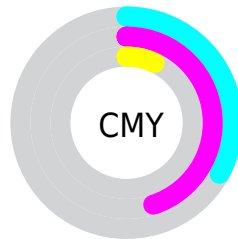


Cyan (28%)

Magenta (40%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (45%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2428, 33.6519, 83.6786 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 41.2428, 33.6519, 83.6786 by changing the saturation by 10% instead.

41.2428, 33.6519,
83.6786

41.2428, 33.6519,
83.6786

342.3796,
318.5771, 527.2755

28.6974, 22.6263,
62.2063

76.3247, 65.3920,
140.3832

18.9951, 14.3178,
44.7625

99.5919, 86.8753,
176.4526

11.7707, 8.3420,
30.9288

127.1637,
112.6132, 218.2247

6.6589, 4.3146,
20.2866

159.4055,
142.9903, 266.1181

3.2941, 1.8510,
12.4174

196.6827,
178.3908, 320.5513

1.3111, 0.5187,
6.9027

239.3605,

0.1915, 0.0000,

219.1991, 381.9429

3.3238

287.8044,
265.7998, 450.7115

■ 0.0000, 0.0000,
1.2622

■ 0.0000, 0.0000,
0.0305

■ 41.2428, 33.6519,
83.6786

■ 41.2428, 33.6519,
83.6786

■ 34.8007, 25.7044,
82.4847

■ 48.8708, 43.3126,
85.1419

■ 29.4770, 19.3629,
81.5413

■ 57.7397, 54.7771,
86.8873

■ 25.2028, 14.5136,
80.8305

■ 67.9054, 68.1343,
88.9297

■ 21.8991, 11.0259,
80.3315

■ 79.4190, 83.4660,
91.2822

■ 19.4738, 8.7450,
80.0190

■ 91.0385, 98.2681,
93.5269

■ 17.8163, 7.4356,
79.8537

■ 92.1404, 98.8362,
93.5784

Harmonies

Analogous

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



33.2690, 33.6519, 97.3394



41.2428, 33.6519, 83.6786



47.3822, 33.6519, 57.7712

Triad

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



41.2428, 33.6519, 83.6786



38.6972, 33.6519, 10.0674



19.3677, 33.6519, 40.3910

Complementary

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



41.2428, 33.6519, 83.6786



60.5358, 75.1799, 36.5210

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.



20.3472, 33.6519, 21.4166



41.2428, 33.6519, 83.6786



30.7347, 33.6519, 8.5244

Square

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



41.2428, 33.6519, 83.6786



45.7547, 33.6519, 17.3166



24.2281, 33.6519, 11.6802



21.2989, 33.6519, 66.7104

Rectangle

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



41.2428, 33.6519, 83.6786



49.1471, 33.6519, 40.5470



24.2281, 33.6519, 11.6802



19.3709, 33.6519, 32.9946

Sweetspot

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



41.2440, 33.6532, 83.6794



78.6601, 78.1953, 105.5551



48.5599, 56.5881, 87.7207



16.4850, 16.2734, 22.5222



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.



41.2440, 33.6532, 83.6794



42.9530, 32.4280, 98.6031



53.2814, 39.8587, 84.2427



14.6636, 14.7719, 19.0006



9.9360, 4.1581, 44.0219



0.8750, 0.3754, 3.4612

Inverse Universe

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



55.3801, 41.3886, 64.1016



62.1799, 42.9686, 71.0955



49.3013, 69.3884, 35.9953



15.5076, 15.2309, 17.9584



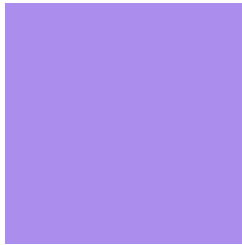
22.8195, 11.3305, 20.6485



1.8344, 0.9067, 1.8453

Previews

White Background



This preview shows how the XYZ color 41.2428, 33.6519, 83.6786 looks on a white background.

Color Contrast Check

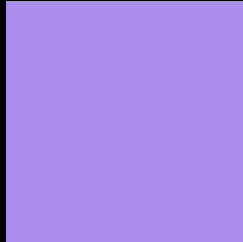
Large Text (above 18pt) WCAG AA × Fail

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 41.2428, 33.6519, 83.6786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

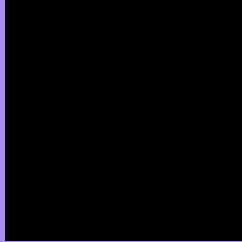
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.2428, 33.6519, 83.6786

Background



This preview shows how black text looks on a background with the XYZ color 41.2428, 33.6519, 83.6786.



This preview shows how white text looks on a background with the XYZ color 41.2428, 33.6519,

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

41.2428, 33.6519, 83.6786

Protanopia

36.3701, 33.9642, 92.6345

Deuteranopia

34.7648, 33.8711, 81.7963



Tritanopia

32.8610, 33.7722, 41.8325

Trichromacy



Original Color

41.2428, 33.6519, 83.6786

Protanomaly

37.5726, 33.4549, 89.2712

Deuteranomaly

36.7331, 33.6492, 82.4008

Tritanomaly

35.5925, 33.6649, 55.0741

Monochromacy



Original Color

41.2428, 33.6519, 83.6786

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.9425, 34.6346, 52.3677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2428, 33.6519, 83.6786 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(170, 141, 236)` looks like.

```
.text, #text, p{  
    color:rgb(170, 141, 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(170, 141, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 141, 236) }
```

Border

The CSS property to change the border of an element to XYZ 41.2428, 33.6519, 83.6786 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(170, 141, 236) }
```


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

```
.border{ border-color:rgb(170, 141, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 141, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 141, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 141, 236);  
box-shadow:4px 4px 4px 4px rgb(170, 141,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2428, 33.6519, 83.6786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 141, 236) }
```

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

```
.background{ background-color: rgb(170,  
141, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor