

Converting Colors

XYZ(42.2157, 22.9428, 83.8647)

Have a look what the booklet for
XYZ(42.2157, 22.9428, 83.8647)
contains.

XYZ(42.2157, 22.9428, 83.8647)	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(42.2157, 22.9428,
83.8647)**

Conversions

Conversions Part 1

Format	Color
Hex	CB43EF
RGB	203, 67, 239
RGB Percent	80%, 26%, 94%
CMY	0.2039, 0.7372, 0.0627
CMYK	0.15, 0.72, 0.00, 0.06
HSL	287°, 84%, 60%
HSV	287°, 72%, 94%
XYZ	42.2157, 22.9428, 83.8647
YIQ	127.2720, 25.8440, 82.3240

Conversions

Conversions Part 2

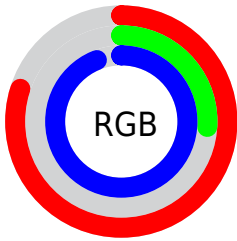
Format	Color
R _Y B	203, 67, 239
Decimal	13321199
CIE Lab	55.01, 75.40, -60.89
CIE LCh	55, 96.916, 321.074
Yxy	22.9428, 0.2833, 0.1540
Android (android.graphics.Color)	4291511279 (0xFFCB43EF)
YUV	127.2720, 55.0819, 66.4135
Hunter-Lab	47.8986, 73.4992, -70.2805

Details

The XYZ color **42.2157, 22.9428, 83.8647** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light muted magenta. A complement of this color would be **37.4738, 65.0223, 15.8865**, and the grayscale version is **20.0778, 21.1234, 23.0034**.

A 20% lighter version of the original color is **66.8794, 43.6587, 99.5098**, and **19.9451, 9.3067, 45.0011** is the 20% darker color. If you saturate the color by 10%, you get **39.7364, 19.9732, 83.4226**, and if you desaturate by 10%, it is **45.3267, 27.1085, 84.5052**.

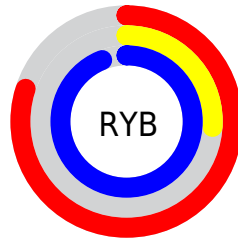
Distribution



Red (80%)

Green (26%)

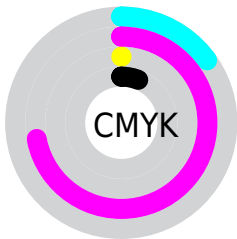
Blue (94%)



Red (80%)

Yellow (26%)

Blue (94%)

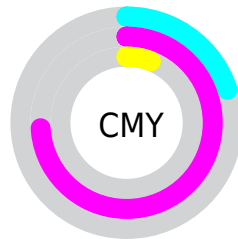


Cyan (15%)

Magenta (72%)

Yellow (0%)

Black (6%)



Cyan (20%)


Magenta (74%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2157, 22.9428, 83.8647 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 42.2157, 22.9428, 83.8647 by changing the saturation by 10% instead.

 42.2157, 22.9428,
83.8647

 42.2157, 22.9428,
83.8647


346.3528,
267.4311, 527.9101


 29.4621, 14.5513,
62.3590


 77.7891, 48.2994,
140.6459


 19.5767, 8.5051,
44.8852


 101.3396, 66.0332,
176.7585

 12.1942, 4.4198,
31.0247


 129.2197, 87.6500,
218.5772

 6.9492, 1.9111,
20.3590

 161.7949,
113.5340, 266.5204

 3.4764, 0.5550,
12.4696

 199.4304,
144.0698, 321.0068

 1.4104, 0.0000,
6.9380

242.4916,

 0.2636, 0.0000,

179.6416, 382.4549

3.3455

291.3440,
220.6339, 451.2831

■ 0.0000, 0.0000,
1.2736

■ 0.0000, 0.0000,
0.0400

■ 42.2157, 22.9428,
83.8647

■ 42.2157, 22.9428,
83.8647

■ 39.7364, 19.9732,
83.4226

■ 45.3267, 27.1085,
84.5052


■ 37.8081, 18.0419,
83.1514


■ 49.1311, 32.5962,
85.3639


■ 36.5609, 17.0480,
83.0253


■ 53.6861, 39.5188,
86.4600


■ 59.0421, 47.9762,
87.8102

 65.2447, 58.0593,
89.4295

 72.3362, 69.8519,
91.3319

 80.3558, 83.4319,
93.5305

 88.3091, 96.8103,
95.6935

 90.0593, 97.7125,
95.7755

Harmonies

Analogous

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



30.1345, 22.9428, 131.2869



42.2157, 22.9428, 83.8647



49.3368, 22.9428, 35.3620

Triad

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



42.2157, 22.9428, 83.8647



25.1808, 22.9428, 0.0000



7.6265, 22.9428, 52.9582

Complementary

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



42.2157, 22.9428, 83.8647



37.4738, 65.0223, 15.8865

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.



7.0771, 22.9428, 16.8606



42.2157, 22.9428, 83.8647



15.1743, 22.9428, 0.3088

Square

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



42.2157, 22.9428, 83.8647



37.5819, 22.9428, 1.4167



9.3357, 22.9428, 3.1725



11.2093, 22.9428, 105.3829

Rectangle

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



42.2157, 22.9428, 83.8647



49.1048, 22.9428, 15.2312



9.3357, 22.9428, 3.1725



7.1409, 22.9428, 38.1951

Sweetspot

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



42.2167, 22.9437, 83.8652



75.5018, 67.1215, 103.5841



22.8728, 17.3807, 83.8110



15.7212, 13.6465, 22.0554



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.



42.2167, 22.9437, 83.8652



44.9949, 22.0337, 96.4892



46.9278, 26.0952, 51.4327



16.1115, 15.8547, 19.9327



20.3174, 9.4794, 45.8867



1.7704, 0.8299, 3.8211

Inverse Universe

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



40.0526, 23.3451, 15.2279



43.3696, 23.1068, 10.0771



36.3188, 64.1816, 26.9170



15.9081, 15.8130, 17.0724



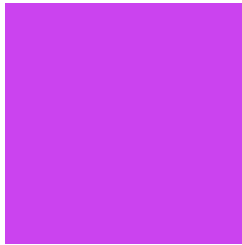
20.0283, 10.2837, 2.7994



1.7013, 0.8696, 0.4178

Previews

White Background



This preview shows how the XYZ color 42.2157, 22.9428, 83.8647 looks on a white background.

Color Contrast Check

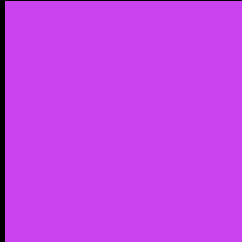
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.2157, 22.9428, 83.8647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

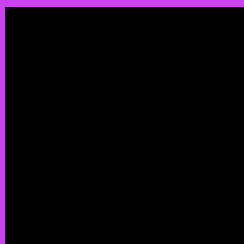
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.2157, 22.9428, 83.8647

Background



This preview shows how black text looks on a background with the XYZ color 42.2157, 22.9428, 83.8647.



This preview shows how white text looks on a background with the XYZ color 42.2157, 22.9428,

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

42.2157, 22.9428, 83.8647

Protanopia

27.3447, 23.4706, 97.6968

Deuteranopia

24.0785, 23.2464, 76.6167



Tritanopia

28.9292, 22.6607, 19.6788

Trichromacy



Original Color

42.2157, 22.9428, 83.8647



Protanomaly

28.5596, 20.3988, 92.0546



Deuteranomaly

26.4645, 20.0785, 78.8246



Tritanomaly

32.1740, 21.7851, 36.2274

Monochromacy



Original Color

42.2157, 22.9428, 83.8647



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

25.6370, 19.8989, 39.5354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2157, 22.9428, 83.8647 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(203, 67, 239)` looks like.

```
.text, #text, p{  
    color:rgb(203, 67, 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(203, 67, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 67, 239) }
```

Border

The CSS property to change the border of an element to XYZ 42.2157, 22.9428, 83.8647 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(203, 67, 239) }
```


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

```
.border{ border-color:rgb(203, 67, 239) }
```

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

Here you see how a box with a 4 pixel rgb(203, 67, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 67, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 67, 239);  
box-shadow:4px 4px 4px 4px rgb(203, 67,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2157, 22.9428, 83.8647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 67, 239) }
```

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

```
.background{ background-color: rgb(203, 67,  
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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