

Converting Colors

XYZ(41.9900, 28.3608, 90.9122)

Have a look what the booklet for
XYZ(41.9900, 28.3608, 90.9122)
contains.

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Color

**XYZ(42.1111, 28.3710,
91.2523)**

Conversions

Conversions Part 1

Format	Color
Hex	B770F7
RGB	183, 112, 247
RGB Percent	72%, 44%, 97%
CMY	0.2823, 0.5608, 0.0314
CMYK	0.26, 0.55, 0.00, 0.03
HSL	272°, 89%, 70%
HSV	272°, 55%, 97%
XYZ	42.1111, 28.3710, 91.2523
YIQ	148.6190, -1.0190, 57.0370

Conversions

Conversions Part 2

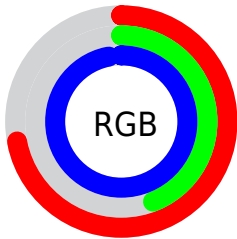
Format	Color
R_{YB}	183, 112, 247
Decimal	12022007
CIE _{Lab}	60.22, 52.63, -57.15
CIE _{LCh}	60, 77.688, 312.644
Yxy	28.3710, 0.2604, 0.1754
Android (android.graphics.Color)	4290212087 (0xFFB770F7)
YUV	148.6190, 48.5018, 30.1521
Hunter-Lab	53.2644, 47.9101, -64.2902

Details

The XYZ color **42.1111, 28.3710, 91.2523** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **54.0903, 76.9220, 27.3267**, and the grayscale version is **28.2117, 29.6809, 32.3225**.

A 20% lighter version of the original color is **68.3042, 53.3697, 101.3091**, and **19.5143, 11.3850, 49.8842** is the 20% darker color. If you saturate the color by 10%, you get **37.0800, 22.2719, 90.3407**, and if you desaturate by 10%, it is **48.1235, 36.0863, 92.4251**.

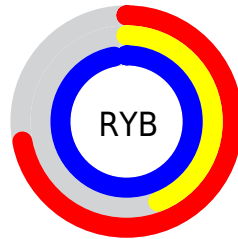
Distribution



Red (72%)

Green (44%)

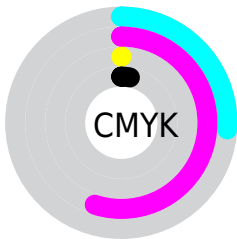
Blue (97%)



Red (72%)

Yellow (44%)

Blue (97%)

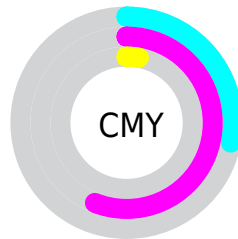


Cyan (26%)

Magenta (55%)

Yellow (0%)

Black (3%)



Cyan (28%)


Magenta (56%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1111, 28.3710, 91.2523 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 42.1111, 28.3710, 91.2523 by changing the saturation by 10% instead.


 42.1111, 28.3710,
91.2523


 42.1111, 28.3710,
91.2523


345.9271,
294.2355, 552.7710

 29.3798, 18.6055,
68.4402


 77.6319, 57.0762,
151.0274


 19.5140, 11.3856,
49.7870

 101.1520, 76.7847,
188.8274

 12.1485, 6.3268,
34.8742


 128.9991,
100.5764, 232.4605

 6.9178, 3.0448,
23.2832

 161.5386,
128.8356, 282.3453

 3.4566, 1.1552,
14.5955

199.1358,
161.9467, 338.9001

 1.3996, 0.0246,
8.3925

242.1560,

 0.2559, 0.0000,

200.2941, 402.5437

4.2558

290.9647,
244.2622, 473.6945

■ 0.0000, 0.0000,
1.7667

■ 0.0000, 0.0000,
0.4058

■ 42.1111, 28.3710,
91.2523

■ 42.1111, 28.3710,
91.2523

■ 37.0800, 22.2719,
90.3407

■ 48.1235, 36.0863,
92.4251

■ 32.9584, 17.6574,
89.6673

■ 55.1749, 45.5286,
93.8760

■ 29.6687, 14.3797,
89.2080

■ 63.3220, 56.8024,
95.6227

■ 27.1154, 12.2566,
88.9328

■ 72.6160, 70.0029,
97.6808

■ 25.9802, 11.4539,
88.8377

■ 83.1049, 85.2184,
100.0649

■ 93.1512, 99.1668,
102.2277

■ 93.7886, 99.4954,
102.2575

Harmonies

Analogous

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



31.3733, 28.3710, 121.1090



42.1111, 28.3710, 91.2523



49.6545, 28.3710, 50.2854

Triad

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



42.1111, 28.3710, 91.2523



33.0842, 28.3710, 2.5562



12.2760, 28.3710, 44.5012

Complementary

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



42.1111, 28.3710, 91.2523



54.0903, 76.9220, 27.3267

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.



12.5185, 28.3710, 17.2610



42.1111, 28.3710, 91.2523



22.9917, 28.3710, 2.3411

Square

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



42.1111, 28.3710, 91.2523



43.6260, 28.3710, 6.6569



15.9721, 28.3710, 5.5764



15.2004, 28.3710, 84.8502

Rectangle

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



42.1111, 28.3710, 91.2523



50.9434, 28.3710, 28.4326



15.9721, 28.3710, 5.5764



12.0154, 28.3710, 33.4876

Sweetspot

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



42.1123, 28.3721, 91.2530



76.6259, 73.1888, 104.6960



39.2430, 41.7042, 93.9776



15.9457, 15.0148, 22.3077



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.



42.1123, 28.3721, 91.2530



39.1615, 23.1268, 97.0076



60.5958, 37.9406, 90.3162



16.4130, 16.3556, 20.8344



13.9054, 6.1428, 46.9908



1.3408, 0.6011, 4.1356

Inverse Universe

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



51.9890, 34.4979, 44.9932



51.5515, 30.7989, 39.5378



42.9951, 71.1875, 27.4697



16.8262, 16.6133, 18.8314



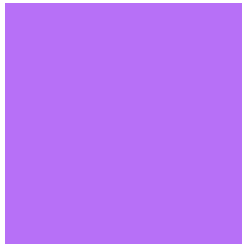
22.0579, 11.1666, 10.2790



1.9902, 1.0021, 1.1749

Previews

White Background



This preview shows how the XYZ color 42.1111, 28.3710, 91.2523 looks on a white background.

Color Contrast Check

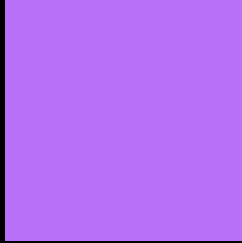
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.1111, 28.3710, 91.2523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

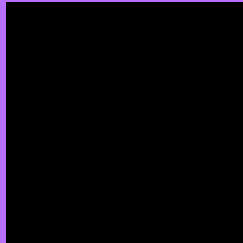
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.1111, 28.3710, 91.2523

Background



This preview shows how black text looks on a background with the XYZ color 42.1111, 28.3710, 91.2523.

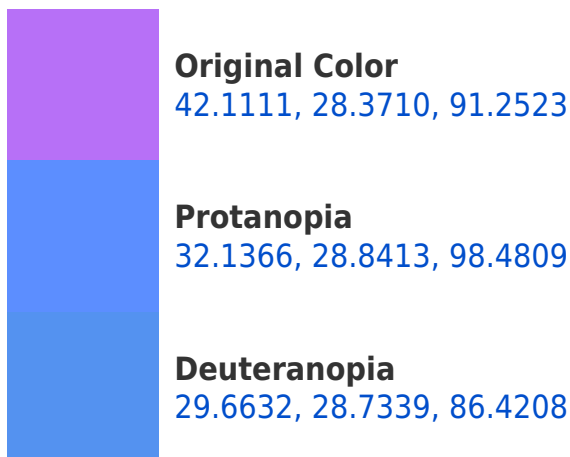


This preview shows how white text looks on a background with the XYZ color 42.1111, 28.3710,

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





Tritanopia

30.0168, 28.1364, 31.8658

Trichromacy



Original Color

42.1111, 28.3710, 91.2523



Protanomaly

34.1444, 27.6208, 95.6272



Deuteranomaly

32.4485, 27.5143, 88.3946



Tritanomaly

33.3842, 27.6697, 48.9286

Monochromacy



Original Color

42.1111, 28.3710, 91.2523



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

32.2591, 28.6882, 49.7361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1111, 28.3710, 91.2523 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(183, 112, 247)` looks like.

```
.text, #text, p{  
    color:rgb(183, 112, 247)  
}
```

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(183, 112, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 112, 247) }
```

Border

The CSS property to change the border of an element to XYZ 42.1111, 28.3710, 91.2523 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(183, 112, 247) }
```


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

```
.border{ border-color:rgb(183, 112, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 112, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 112, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 112, 247);  
box-shadow:4px 4px 4px 4px rgb(183, 112,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1111, 28.3710, 91.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 112, 247) }
```

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

```
.background{ background-color: rgb(183,  
112, 247) }
```

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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