

Converting Colors

XYZ(51.9973, 36.9213, 85.7544)

Have a look what the booklet for
XYZ(51.9973, 36.9213, 85.7544)
contains.

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Color

**XYZ(51.8815, 36.7962,
86.0293)**

Conversions

Conversions Part 1

Format	Color
Hex	D882EF
RGB	216, 130, 239
RGB Percent	85%, 51%, 94%
CMY	0.1529, 0.4902, 0.0627
CMYK	0.10, 0.46, 0.00, 0.06
HSL	287°, 77%, 72%
HSV	287°, 46%, 94%
XYZ	51.8815, 36.7962, 86.0293
YIQ	168.1400, 16.2670, 52.1310

Conversions

Conversions Part 2

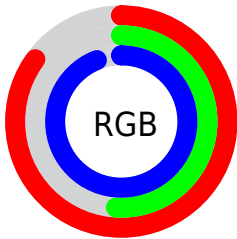
Format	Color
R _Y B	216, 130, 239
Decimal	14189295
CIE Lab	67.12, 50.34, -41.58
CIE LCh	67, 65.287, 320.443
Yxy	36.7962, 0.2970, 0.2106
Android (android.graphics.Color)	4292379375 (0xFFD882EF)
YUV	168.1400, 34.9340, 41.9732
Hunter-Lab	60.6599, 46.5137, -41.6246

Details

The XYZ color **51.8815, 36.7962, 86.0293** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **48.0339, 70.1179, 32.1232**, and the grayscale version is **37.1177, 39.0507, 42.5262**.

A 20% lighter version of the original color is **76.6390, 63.1779, 102.7630**, and **25.4992, 16.0976, 46.5629** is the 20% darker color. If you saturate the color by 10%, you get **47.5971, 30.4045, 85.0220**, and if you desaturate by 10%, it is **56.9525, 44.6910, 87.2865**.

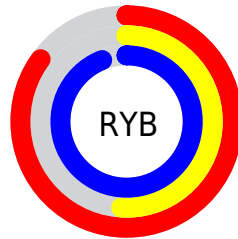
Distribution



Red (85%)

Green (51%)

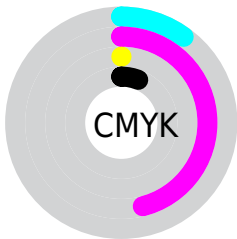
Blue (94%)



Red (85%)

Yellow (51%)

Blue (94%)

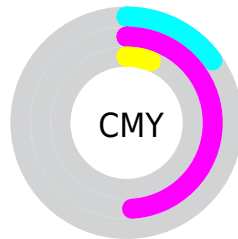


Cyan (10%)

Magenta (46%)

Yellow (0%)

Black (6%)



Cyan (15%)


Magenta (49%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8815, 36.7962, 86.0293 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 51.8815, 36.7962, 86.0293 by changing the saturation by 10% instead.


 51.8815, 36.7962,
86.0293

 51.8815, 36.7962,
86.0293

384.3104,
332.4273, 535.2610

 37.1345, 25.0497,
64.1372

 92.1317, 70.2592,
143.6973

 25.4858, 16.1141,
46.3149


 118.3657, 92.7446,
180.3102

 16.5700, 9.6049,
32.1439

 149.1593,
119.5784, 222.6672

 10.0218, 5.1378,
21.2057

184.8780,
151.1449, 271.1866

 5.4758, 2.3284,
13.0818

225.8871,
187.8287, 326.2872

 2.5666, 0.7887,
7.3535

272.5520,

 0.9290, 0.0000,

230.0141, 388.3875

3.6024

325.2380,
278.0855, 457.9059

■ 0.0000, 0.0000,
1.4098

■ 0.0000, 0.0000,
0.1494

■ 51.8815, 36.7962,
86.0293

■ 51.8815, 36.7962,
86.0293

■ 47.5971, 30.4045,
85.0220

■ 56.9525, 44.6910,
87.2865

■ 44.0430, 25.4073,
84.2447


■ 62.8533, 54.1782,
88.8067


■ 41.1617, 21.6888,
83.6788

■ 69.6288, 65.3455,
90.6051


■ 38.8844, 19.1123,
83.3015


■ 77.3191, 78.2729,
92.6950


 37.1264, 17.5089,
83.0847

 85.9619, 93.0351,
95.0888

 36.4598, 16.9959,
83.0208

 89.4375, 97.3920,
95.7466

 91.2332, 98.3177,
95.8306

 92.5801, 99.0120,
95.8937

Harmonies

Analogous

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



42.0851, 36.7962, 116.3863



51.8815, 36.7962, 86.0293



57.4173, 36.7962, 49.8608

Triad

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



51.8815, 36.7962, 86.0293



38.2450, 36.7962, 6.6942



19.9439, 36.7962, 62.3927

Complementary

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



51.8815, 36.7962, 86.0293



48.0339, 70.1179, 32.1232

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.



19.3054, 36.7962, 31.6440



51.8815, 36.7962, 86.0293



28.7122, 36.7962, 7.5432

Square

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



51.8815, 36.7962, 86.0293



48.6168, 36.7962, 10.9411



22.2074, 36.7962, 14.3328



24.1564, 36.7962, 98.8414

Rectangle

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



51.8815, 36.7962, 86.0293



57.3460, 36.7962, 30.9375



22.2074, 36.7962, 14.3328



19.3399, 36.7962, 50.8309

Sweetspot

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



51.8828, 36.7978, 86.0301



81.9826, 77.8989, 105.3228



36.2798, 33.9644, 86.3056



17.1573, 16.0229, 22.4384



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.



51.8828, 36.7978, 86.0301



55.3304, 35.4975, 98.5432



54.9799, 38.8773, 64.3573



16.1087, 15.8533, 19.9326



20.2621, 9.4509, 45.8841



1.7663, 0.8278, 3.8209

Inverse Universe

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



49.3302, 36.6174, 34.6064



52.4026, 35.4887, 30.6116



46.4964, 69.0489, 44.5431



15.9092, 15.8134, 17.0783



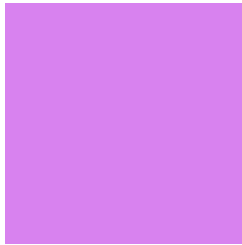
20.0334, 10.2858, 2.8265



1.7019, 0.8698, 0.4208

Previews

White Background



This preview shows how the XYZ color 51.8815, 36.7962, 86.0293 looks on a white background.

Color Contrast Check

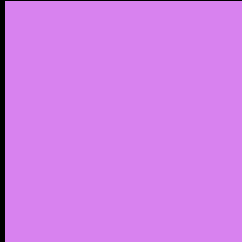
Large Text (above 18pt) WCAG AA × Fail

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 51.8815, 36.7962, 86.0293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

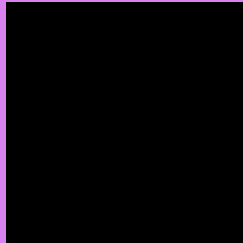
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8815, 36.7962, 86.0293

Background



This preview shows how black text looks on a background with the XYZ color 51.8815, 36.7962, 86.0293.

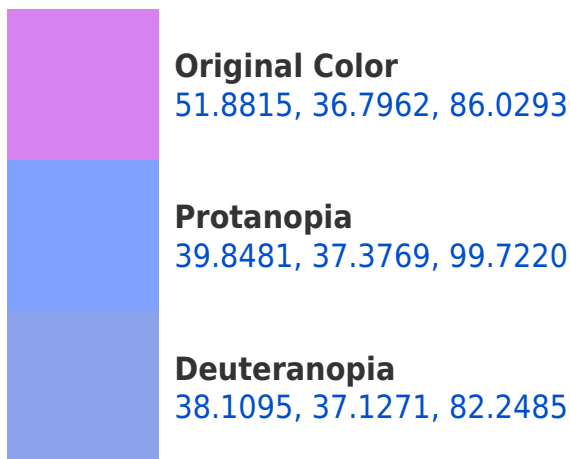


This preview shows how white text looks on a background with the XYZ color 51.8815, 36.7962,

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

42.1119, 36.6970, 38.1214

Trichromacy



Original Color

51.8815, 36.7962, 86.0293



Protanomaly

42.7032, 36.2293, 94.3648



Deuteranomaly

41.6276, 35.9178, 83.3361



Tritanomaly

45.0047, 36.2792, 52.7747

Monochromacy



Original Color

51.8815, 36.7962, 86.0293



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

41.3008, 37.3205, 56.0657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8815, 36.7962, 86.0293 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(216, 130, 239)` looks like.

```
.text, #text, p{  
    color:rgb(216, 130, 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(216, 130, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 130, 239) }
```

Border

The CSS property to change the border of an element to XYZ 51.8815, 36.7962, 86.0293 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(216, 130, 239) }
```


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

```
.border{ border-color:rgb(216, 130, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 130, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 130, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 130, 239);  
box-shadow:4px 4px 4px 4px rgb(216, 130,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8815, 36.7962, 86.0293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 130, 239) }
```

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

```
.background{ background-color: rgb(216,  
130, 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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