

Converting Colors

XYZ(42.8451, 21.6641, 86.4601)

Have a look what the booklet for
XYZ(42.8451, 21.6641, 86.4601)
contains.

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Color

**XYZ(42.8868, 21.6905,
86.7203)**

Conversions

Conversions Part 1

Format	Color
Hex	CF2EF3
RGB	207, 46, 243
RGB Percent	81%, 18%, 95%
CMY	0.1882, 0.8196, 0.0471
CMYK	0.15, 0.81, 0.00, 0.05
HSL	289°, 89%, 57%
HSV	289°, 81%, 95%
XYZ	42.8868, 21.6905, 86.7203
YIQ	116.5970, 32.7190, 95.3990

Conversions

Conversions Part 2

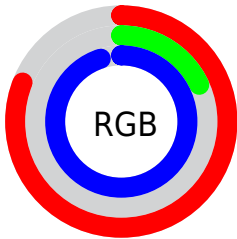
Format	Color
R_{YB}	207, 46, 243
Decimal	13577971
CIE _{Lab}	53.70, 83.08, -65.22
CIE _{LCh}	54, 105.624, 321.867
Yxy	21.6905, 0.2835, 0.1434
Android (android.graphics.Color)	4291768051 (0xFFCF2EF3)
YUV	116.5970, 62.3167, 79.2834
Hunter-Lab	46.5731, 82.8689, -77.7984

Details

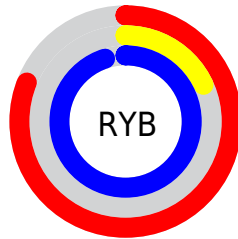
The XYZ color **42.8868, 21.6905, 86.7203** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **36.0242, 66.0928, 13.4441**, and the grayscale version is **16.5926, 17.4567, 19.0104**.

A 20% lighter version of the original color is **65.1951, 40.2903, 98.9484**, and **20.8955, 9.7482, 47.2346** is the 20% darker color. If you saturate the color by 10%, you get **40.9685, 19.6689, 86.4315**, and if you desaturate by 10%, it is **45.3782, 24.8044, 87.1904**.

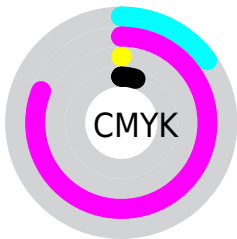
Distribution



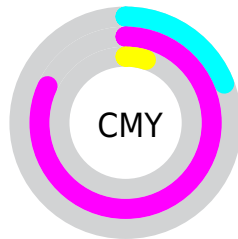
- Red (81%)
- Green (18%)
- Blue (95%)



- Red (81%)
- Yellow (18%)
- Blue (95%)



- Cyan (15%)
- Magenta (81%)
- Yellow (0%)
- Black (5%)



- Cyan (19%)
- Magenta (82%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8868, 21.6905, 86.7203 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 42.8868, 21.6905, 86.7203 by changing the saturation by 10% instead.

42.8868, 21.6905,
86.7203

42.8868, 21.6905,
86.7203

349.0754,
260.9257, 537.5957

29.9904, 13.6297,
64.7055

78.7968, 46.2339,
144.6696

19.9794, 7.8635,
46.7725

102.5411, 63.4853,
181.4412

12.4882, 4.0078,
32.5028

130.6322, 84.5690,
223.9688

7.1517, 1.6779,
21.4778

163.4353,
109.8694, 272.6710

3.6043, 0.4093,
13.2791

201.3158,
139.7708, 327.9662

1.4808, 0.0000,
7.4880

244.6391,

0.3127, 0.0000,

174.6578, 390.2730

3.6861

293.7705,
214.9146, 460.0100

■ 0.0000, 0.0000,
1.4548

■ 0.0000, 0.0000,
0.1839

■ 42.8868, 21.6905,
86.7203

■ 42.8868, 21.6905,
86.7203

■ 40.9685, 19.6689,
86.4315

■ 45.3782, 24.8044,
87.1904

■ 39.6236, 18.5579,
86.2880

■ 48.5191, 29.1662,
87.8667

■ 52.3769, 34.9090,
88.7719

■ 57.0094, 42.1482,
89.9250

62.4682, 50.9867,
91.3433

68.8006, 61.5185,
93.0424

76.0500, 73.8301,
95.0367

84.2570, 88.0023,
97.3397

90.2839, 97.7593,
98.9053

Harmonies

Analogous

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



29.8221, 21.6905, 141.3785



42.8868, 21.6905, 86.7203



50.5043, 21.6905, 33.5686

Triad

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



42.8868, 21.6905, 86.7203



23.8481, 21.6905, 0.0000



6.3041, 21.6905, 55.2346

Complementary

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



42.8868, 21.6905, 86.7203



36.0242, 66.0928, 13.4441

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.



5.7128, 21.6905, 15.8570



42.8868, 21.6905, 86.7203



13.5314, 21.6905, 0.0000

Square

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



42.8868, 21.6905, 86.7203



37.1697, 21.6905, 0.6642



7.8060, 21.6905, 2.2577



9.8929, 21.6905, 114.2756

Rectangle

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



42.8868, 21.6905, 86.7203



50.0585, 21.6905, 12.9860



7.8060, 21.6905, 2.2577



5.8180, 21.6905, 38.8781

Sweetspot

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



42.8878, 21.6914, 86.7208



74.5419, 64.9149, 103.2088



20.3313, 13.1052, 86.2523



15.4133, 12.9930, 21.9455



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.



42.8878, 21.6914, 86.7208



44.6544, 21.0583, 96.3189



46.2411, 24.3299, 45.7705



16.8993, 16.6063, 20.8572



21.8527, 10.2398, 47.3627



1.9961, 0.9389, 4.1663

Inverse Universe

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



39.4628, 21.6186, 10.0767



41.9622, 21.6817, 5.3235



35.9053, 65.7735, 25.0992



16.6228, 16.5320, 17.7602



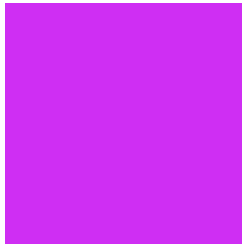
20.5751, 10.5735, 2.4711



1.8417, 0.9427, 0.3930

Previews

White Background



This preview shows how the XYZ color 42.8868, 21.6905, 86.7203 looks on a white background.

Color Contrast Check

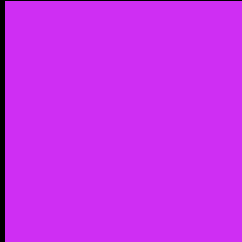
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8868, 21.6905, 86.7203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

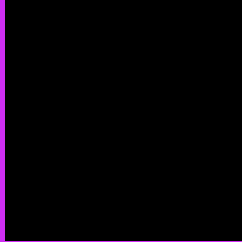
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.8868, 21.6905, 86.7203

Background



This preview shows how black text looks on a background with the XYZ color 42.8868, 21.6905, 86.7203.



This preview shows how white text looks on a background with the XYZ color 42.8868, 21.6905,

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

42.8868, 21.6905, 86.7203

Protanopia

26.1327, 22.0864, 97.4935

Deuteranopia

22.9059, 22.2070, 77.9420



Tritanopia

28.5521, 21.4473, 17.3867

Trichromacy



Original Color

42.8868, 21.6905, 86.7203



Protanomaly

26.9623, 18.0975, 93.3389



Deuteranomaly

24.1687, 17.4922, 80.6998



Tritanomaly

31.9538, 20.2390, 34.5701

Monochromacy



Original Color

42.8868, 21.6905, 86.7203



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

22.9296, 16.6105, 36.6480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8868, 21.6905, 86.7203 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(207, 46, 243)` looks like.

```
.text, #text, p{  
    color:rgb(207, 46, 243)  
}
```

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(207, 46, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 46, 243) }
```

Border

The CSS property to change the border of an element to XYZ 42.8868, 21.6905, 86.7203 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(207, 46, 243) }
```


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

```
.border{ border-color:rgb(207, 46, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 46, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 46, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 46, 243);  
box-shadow:4px 4px 4px 4px rgb(207, 46,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8868, 21.6905, 86.7203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 46, 243) }
```

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

```
.background{ background-color: rgb(207, 46,  
243) }
```

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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