

Converting Colors

XYZ(42.3487, 21.5083, 62.4243)

Have a look what the booklet for
XYZ(42.3487, 21.5083, 62.4243)
contains.

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Color

**XYZ(42.3259, 21.5193,
62.2444)**

Conversions

Conversions Part 1

Format	Color
Hex	DE26D1
RGB	222, 38, 209
RGB Percent	87%, 15%, 82%
CMY	0.1294, 0.8509, 0.1804
CMYK	0.00, 0.83, 0.06, 0.13
HSL	304°, 74%, 51%
HSV	304°, 83%, 87%
XYZ	42.3259, 21.5193, 62.2444
YIQ	112.5100, 54.7730, 92.1890

Conversions

Conversions Part 2

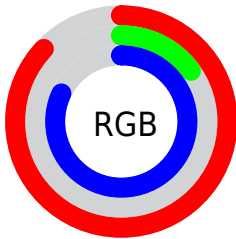
Format	Color
R _{YB}	222, 38, 209
Decimal	14558929
CIE _{Lab}	53.51, 82.19, -46.14
CIE _{LCh}	54, 94.258, 330.694
Y _{xy}	21.5193, 0.3357, 0.1707
Android (android.graphics.Color)	4292749009 (0xFFDE26D1)
YUV	112.5100, 47.5696, 96.0227
Hunter-Lab	46.3889, 81.6854, -47.0828

Details

The XYZ color **42.3259, 21.5193, 62.2444** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **27.5192, 52.8945, 11.8929**, and the grayscale version is **15.4063, 16.2087, 17.6512**.

A 20% lighter version of the original color is **64.7586, 39.4173, 98.8029**, and **20.7330, 10.0145, 31.4121** is the 20% darker color. If you saturate the color by 10%, you get **41.6224, 20.4210, 61.0565**, and if you desaturate by 10%, it is **43.4555, 23.4655, 63.5841**.

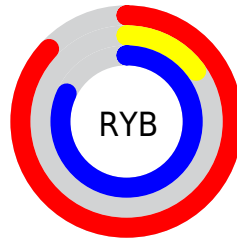
Distribution



Red (87%)

Green (15%)

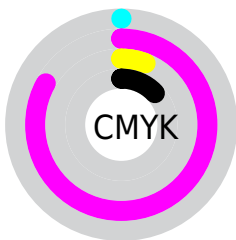
Blue (82%)



Red (87%)

Yellow (15%)

Blue (82%)

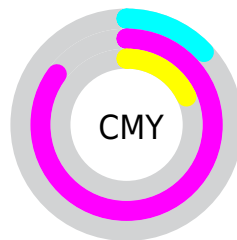


Cyan (0%)

Magenta (83%)

Yellow (6%)

Black (13%)



Cyan (13%)


Magenta (85%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3259, 21.5193, 62.2444 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 42.3259, 21.5193, 62.2444 by changing the saturation by 10% instead.


 42.3259, 21.5193,
62.2444


 42.3259, 21.5193,
62.2444


346.8008,
260.0256, 450.8543


 29.5488, 13.5041,
44.7931


 77.9547, 45.9502,
109.6537


 19.6427, 7.7766,
30.9528


 101.5371, 63.1347,
140.4488

 12.2424, 3.9523,
20.3047


 129.4520, 84.1445,
176.5290

 6.9823, 1.6469,
12.4305

 162.0647,
109.3639, 218.3127

 3.4973, 0.3889,
6.9115

 199.7405,
139.1773, 266.2186

 1.4219, 0.0000,
3.3292

242.8450,

 0.2717, 0.0000,

173.9691, 320.6651

1.2651

291.7433,
214.1237, 382.0708

■ 0.0000, 0.0000,
0.0329

■ 0.0000, 0.0000,
0.0000

■ 42.3259, 21.5193,
62.2444

■ 42.3259, 21.5193,
62.2444

■ 41.6224, 20.4210,
61.0565

■ 43.4555, 23.4655,
63.5841

■ 41.3033, 20.0013,
60.2766

■ 45.0742, 26.3874,
65.0961

■ 47.2370, 30.3945,
66.7990

■ 49.9910, 35.5810,
68.7084

■ 53.3783, 42.0308,
70.8385

■ 57.4369, 49.8202,
73.2020

■ 62.2020, 59.0195,
75.8105

■ 67.7063, 69.6941,
78.6750

■ 73.9804, 81.9051,
81.8058

Harmonies

Analogous

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



31.9736, 21.5193, 110.3662



42.3259, 21.5193, 62.2444



46.4634, 21.5193, 22.7681

Triad

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



42.3259, 21.5193, 62.2444



20.2207, 21.5193, 0.0000



7.9399, 21.5193, 64.4941

Complementary

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



42.3259, 21.5193, 62.2444



27.5192, 52.8945, 11.8929

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.



6.5867, 21.5193, 24.1064



42.3259, 21.5193, 62.2444



12.0978, 21.5193, 0.7838

Square

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



42.3259, 21.5193, 62.2444



31.4316, 21.5193, 0.7040



7.8162, 21.5193, 5.4513



12.3852, 21.5193, 112.2572

Rectangle

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



42.3259, 21.5193, 62.2444



44.3468, 21.5193, 8.8218



7.8162, 21.5193, 5.4513



7.1886, 21.5193, 48.8981

Sweetspot

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



42.3267, 21.5203, 62.2448



77.2585, 65.5640, 99.4335



15.2077, 7.3463, 69.7244



16.1090, 13.2124, 21.0354



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.



42.3267, 21.5203, 62.2448



56.5774, 27.4392, 82.5591



34.0727, 18.2187, 18.7799



14.2510, 13.9180, 17.0921



24.5505, 11.8872, 35.8944



1.7144, 0.8290, 2.5550

Inverse Universe

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



42.3267, 21.5203, 62.2448



56.5774, 27.4392, 82.5591



31.8244, 54.6166, 34.5636



14.2510, 13.9180, 17.0921



24.5505, 11.8872, 35.8944



1.7144, 0.8290, 2.5550

Previews

White Background



This preview shows how the XYZ color 42.3259, 21.5193, 62.2444 looks on a white background.

Color Contrast Check

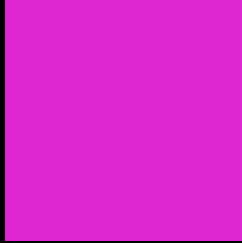
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3259, 21.5193, 62.2444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

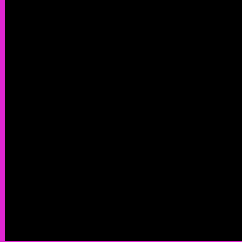
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.3259, 21.5193, 62.2444

Background



This preview shows how black text looks on a background with the XYZ color 42.3259, 21.5193, 62.2444.



This preview shows how white text looks on a background with the XYZ color 42.3259, 21.5193,

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

42.3259, 21.5193, 62.2444

Protanopia

26.1721, 22.1067, 97.4953

Deuteranopia

22.4133, 21.8492, 55.8593



Tritanopia

32.0438, 21.4714, 12.8114

Trichromacy



Original Color

42.3259, 21.5193, 62.2444



Protanomaly

25.4104, 17.1275, 82.8556



Deuteranomaly

25.6193, 18.0642, 57.3948



Tritanomaly

34.2949, 20.4257, 25.0567

Monochromacy



Original Color

42.3259, 21.5193, 62.2444



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

21.8100, 15.5660, 29.8720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3259, 21.5193, 62.2444 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(222, 38, 209)` looks like.

```
.text, #text, p{  
    color:rgb(222, 38, 209)  
}
```

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(222, 38, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 38, 209) }
```

Border

The CSS property to change the border of an element to XYZ 42.3259, 21.5193, 62.2444 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(222, 38, 209) }
```


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

```
.border{ border-color:rgb(222, 38, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 38, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 38, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 38, 209);  
box-shadow:4px 4px 4px 4px rgb(222, 38,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3259, 21.5193, 62.2444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 38, 209) }
```

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

```
.background{ background-color: rgb(222, 38,  
209) }
```

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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