

Converting Colors

XYZ(42.8385, 22.8168, 76.6421)

Have a look what the booklet for
XYZ(42.8385, 22.8168, 76.6421)
contains.

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Color

**XYZ(43.0502, 22.9419,
77.0222)**

Conversions

Conversions Part 1

Format	Color
Hex	D43CE6
RGB	212, 60, 230
RGB Percent	83%, 24%, 90%
CMY	0.1686, 0.7647, 0.0980
CMYK	0.08, 0.74, 0.00, 0.10
HSL	294°, 77%, 57%
HSV	294°, 74%, 90%
XYZ	43.0502, 22.9419, 77.0222
YIQ	124.8280, 36.0220, 85.0940

Conversions

Conversions Part 2

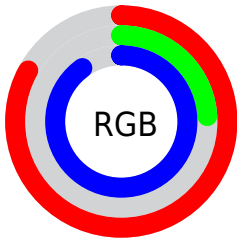
Format	Color
R _Y B	212, 60, 230
Decimal	13909222
CIE _{Lab}	55.01, 77.90, -55.77
CIE _{LCh}	55, 95.803, 324.401
Y _{xy}	22.9419, 0.3010, 0.1604
Android (android.graphics.Color)	4292099302 (0xFFD43CE6)
Y _{UV}	124.8280, 51.8498, 76.4498
Hunter-Lab	47.8977, 76.6139, -61.8133

Details

The XYZ color **43.0502, 22.9419, 77.0222** 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 **32.2550, 58.5401, 13.8752**, and the grayscale version is **19.2594, 20.2624, 22.0658**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **20.7769, 9.8283, 40.8464** is the 20% darker color. If you saturate the color by 10%, you get **41.3999, 20.6749, 76.6719**, and if you desaturate by 10%, it is **45.2361, 26.2627, 77.5483**.

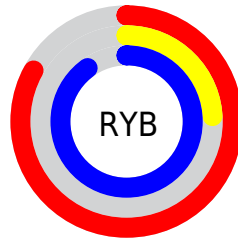
Distribution



Red (83%)

Green (24%)

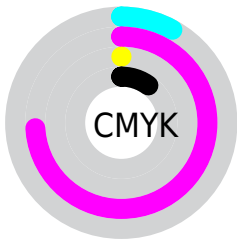
Blue (90%)



Red (83%)

Yellow (24%)

Blue (90%)

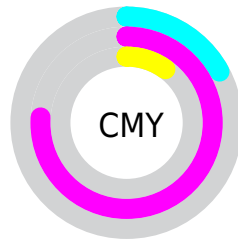


Cyan (8%)

Magenta (74%)

Yellow (0%)

Black (10%)



Cyan (17%)


Magenta (76%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.0502, 22.9419, 77.0222 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 43.0502, 22.9419, 77.0222 by changing the saturation by 10% instead.

 43.0502, 22.9419,
77.0222


 43.0502, 22.9419,
77.0222


349.7362,
267.4264, 504.2794


 30.1192, 14.5506,
56.7594

 79.0418, 48.2979,
130.9441


 20.0776, 8.5046,
40.4040


 102.8332, 66.0314,
165.4403


 12.5601, 4.4195,
27.5375


 130.9754, 87.6478,
205.5181

 7.2012, 1.9109,
17.7413

 163.8338,
113.5314, 251.5960

 3.6357, 0.5549,
10.5969

 201.7737,
144.0667, 304.0925

 1.4982, 0.0000,
5.6858

245.1605,

 0.3246, 0.0000,

179.6381, 363.4263

2.5893

294.3595,
220.6298, 430.0157

■ 0.0000, 0.0000,
0.8869

■ 0.0000, 0.0000,
0.0000

■ 43.0502, 22.9419,
77.0222

■ 43.0502, 22.9419,
77.0222

■ 41.3999, 20.6749,
76.6719

■ 45.2361, 26.2627,
77.5483


■ 40.2091, 19.3118,
76.4716


■ 48.0150, 30.7547,
78.2689


■ 39.6392, 18.7848,
76.3999


■ 51.4401, 36.5232,
79.2018


■ 55.5577, 43.6607,
80.3625

 60.4098, 52.2513,
81.7649

 66.0352, 62.3723,
83.4219

 72.4696, 74.0954,
85.3456

 79.7469, 87.4879,
87.5471

 83.9480, 94.7119,
88.7200

Harmonies

Analogous

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



31.4049, 22.9419, 125.4715



43.0502, 22.9419, 77.0222



49.1892, 22.9419, 31.1490

Triad

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



43.0502, 22.9419, 77.0222



23.8649, 22.9419, 0.0000



7.9694, 22.9419, 57.8788

Complementary

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



43.0502, 22.9419, 77.0222



32.2550, 58.5401, 13.8752

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.



7.1168, 22.9419, 19.6842



43.0502, 22.9419, 77.0222



14.3936, 22.9419, 0.5316

Square

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



43.0502, 22.9419, 77.0222



36.0276, 22.9419, 1.2024



9.0348, 22.9419, 4.0328



11.9266, 22.9419, 109.4283

Rectangle

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



43.0502, 22.9419, 77.0222



48.2567, 22.9419, 13.0502



9.0348, 22.9419, 4.0328



7.3786, 22.9419, 42.5855

Sweetspot

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



43.0511, 22.9429, 77.0227



77.5388, 68.1717, 103.6794



19.0037, 12.3878, 76.2528



16.2081, 13.8975, 22.0782



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.



43.0511, 22.9429, 77.0227



51.4122, 25.0370, 96.7306



41.0261, 22.7661, 37.7511



14.8369, 14.5337, 18.1676



22.5037, 10.6670, 43.2560



1.7063, 0.8106, 3.1985

Inverse Universe

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



35.6248, 20.6056, 9.3082



42.2780, 22.3415, 5.3422



33.8734, 59.0398, 29.0697



14.4387, 14.3927, 15.2446



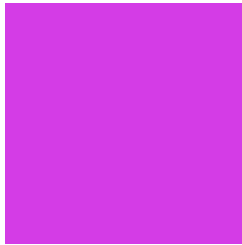
18.5917, 9.5709, 1.4791



1.3948, 0.7156, 0.2197

Previews

White Background



This preview shows how the XYZ color 43.0502, 22.9419, 77.0222 looks on a white background.

Color Contrast Check

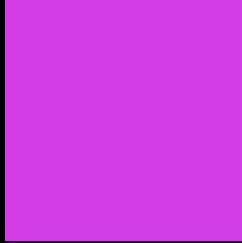
Large Text (above 18pt) WCAG AA ✓ Pass

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 43.0502, 22.9419, 77.0222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

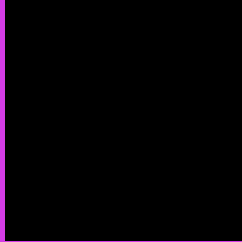
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 43.0502, 22.9419, 77.0222

Background



This preview shows how black text looks on a background with the XYZ color 43.0502, 22.9419, 77.0222.



This preview shows how white text looks on a background with the XYZ color 43.0502, 22.9419,

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

43.0502, 22.9419, 77.0222

Protanopia

27.3447, 23.4706, 97.6968

Deuteranopia

23.9441, 23.3329, 69.5714



Tritanopia

30.7454, 22.7185, 17.8036

Trichromacy



Original Color

43.0502, 22.9419, 77.0222



Protanomaly

28.1669, 19.7991, 89.5258



Deuteranomaly

26.7963, 19.9420, 71.5441



Tritanomaly

33.5981, 21.7060, 32.9907

Monochromacy



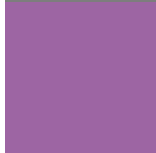
Original Color

43.0502, 22.9419, 77.0222



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

25.1692, 19.1198, 37.0143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.0502, 22.9419, 77.0222 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(212, 60, 230)` looks like.

```
.text, #text, p{  
    color:rgb(212, 60, 230)  
}
```

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(212, 60, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 60, 230) }
```

Border

The CSS property to change the border of an element to XYZ 43.0502, 22.9419, 77.0222 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(212, 60, 230) }
```


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

```
.border{ border-color:rgb(212, 60, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 60, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 60, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 60, 230);  
box-shadow:4px 4px 4px 4px rgb(212, 60,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 43.0502, 22.9419, 77.0222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 60, 230) }
```

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

```
.background{ background-color: rgb(212, 60,  
230) }
```

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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