

Converting Colors

XYZ(44.4276, 21.3943, 70.2550)

Have a look what the booklet for
XYZ(44.4276, 21.3943, 70.2550)
contains.

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Color

**XYZ(44.4152, 21.3892,
70.1942)**

Conversions

Conversions Part 1

Format	Color
Hex	E200DD
RGB	226, 0, 221
RGB Percent	89%, 0%, 87%
CMY	0.1137, 0.9999, 0.1333
CMYK	0.00, 1.00, 0.02, 0.11
HSL	301°, 100%, 44%
HSV	301°, 100%, 89%
XYZ	44.4152, 21.3892, 70.1942
YIQ	92.7680, 63.7550, 116.6430

Conversions

Conversions Part 2

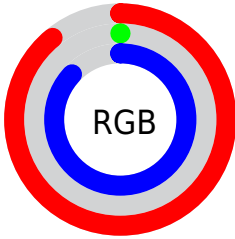
Format	Color
R _Y B	226, 0, 221
Decimal	14811357
CIE Lab	53.37, 88.98, -53.17
CIE LCh	53, 103.654, 329.142
Yxy	21.3892, 0.3266, 0.1573
Android (android.graphics.Color)	4293001437 (0xFFE200DD)
YUV	92.7680, 63.2184, 116.8445
Hunter-Lab	46.2485, 90.4896, -57.6142

Details

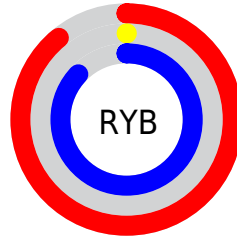
The XYZ color **44.4152, 21.3892, 70.1942** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **27.2248, 54.4048, 9.2109**, and the grayscale version is **10.2026, 10.7340, 11.6893**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.5174, 10.8236, 36.4997** is the 20% darker color. If you saturate the color by 10%, you get **44.4156, 21.3894, 70.1940**, and if you desaturate by 10%, it is **44.7816, 22.0145, 70.6458**.

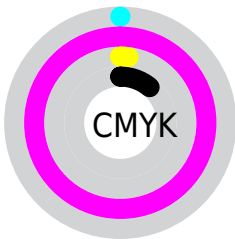
Distribution



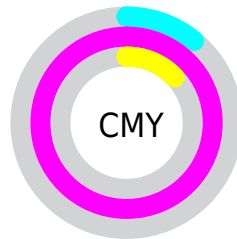
- Red (89%)
- Green (0%)
- Blue (87%)



- Red (89%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.4152, 21.3892, 70.1942 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 44.4152, 21.3892, 70.1942 by changing the saturation by 10% instead.


 44.4152, 21.3892,
70.1942


 44.4152, 21.3892,
70.1942


355.2236,
259.3397, 480.0391


 31.1964, 13.4088,
51.2071


 81.0846, 45.7344,
121.1694


 20.9010, 7.7106,
35.9956


 105.2660, 62.8679,
153.9945


 13.1637, 3.9104,
24.1411


 133.8321, 83.8213,
192.2694

 7.6191, 1.6235,
15.2252

 167.1486,
108.9790, 236.4126

 3.9020, 0.3734,
8.8292

 205.5805,
138.7252, 286.8426

 1.6468, 0.0000,
4.5346

249.4935,

 0.4226, 0.0000,

173.4445, 343.9780

1.9230

299.2527,
213.5212, 408.2373

■ 0.0000, 0.0000,
0.5073

■ 0.0000, 0.0000,
0.0000

■ 44.4152, 21.3892,
70.1942

■ 44.4152, 21.3892,
70.1942

■ 44.4156, 21.3894,
70.1940

■ 44.7816, 22.0145,
70.6458

■ 45.4968, 23.3377,
71.2144

■ 46.6737, 25.5841,
71.9380

■ 48.3769, 28.8826,
72.8380

■ 50.6605, 33.3418,
73.9324

■ 53.5721, 39.0566,
75.2372

■ 57.1542, 46.1121,
76.7664

■ 61.4458, 54.5861,
78.5331

■ 66.4826, 64.5505,
80.5493

Harmonies

Analogous

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



32.4612, 21.3892, 126.3006



44.4152, 21.3892, 70.1942



49.6427, 21.3892, 24.2073

Triad

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



44.4152, 21.3892, 70.1942



20.6479, 21.3892, 0.0000



6.8908, 21.3892, 66.9694

Complementary

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



44.4152, 21.3892, 70.1942



27.2248, 54.4048, 9.2109

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.



5.6710, 21.3892, 22.3946



44.4152, 21.3892, 70.1942



11.6744, 21.3892, 0.1041

Square

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



44.4152, 21.3892, 70.1942



33.2158, 21.3892, 0.2126



7.0458, 21.3892, 3.9923



11.2998, 21.3892, 123.5235

Rectangle

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



44.4152, 21.3892, 70.1942



47.5572, 21.3892, 8.5422



7.0458, 21.3892, 3.9923



6.1837, 21.3892, 49.3207

Sweetspot

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



44.4161, 21.3902, 70.1946



75.0386, 60.4116, 100.8907



13.7756, 5.5163, 72.2913



15.6115, 12.0438, 21.4047



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.



44.4161, 21.3902, 70.1946



58.3945, 28.1218, 92.2645



34.1388, 17.2793, 16.0750



14.2812, 13.9301, 17.2512



25.3450, 12.2050, 40.0778



1.7610, 0.8477, 2.8002

Inverse Universe

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



44.4161, 21.3902, 70.1946



58.3945, 28.1218, 92.2645



30.3954, 55.6730, 25.9070



14.2812, 13.9301, 17.2512



25.3450, 12.2050, 40.0778



1.7610, 0.8477, 2.8002

Previews

White Background



This preview shows how the XYZ color 44.4152, 21.3892, 70.1942 looks on a white background.

Color Contrast Check

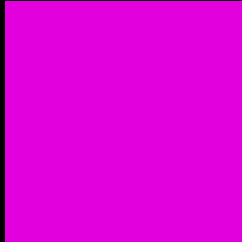
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.4152, 21.3892, 70.1942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

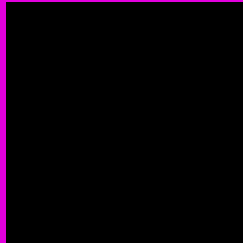
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.4152, 21.3892, 70.1942

Background



This preview shows how black text looks on a background with the XYZ color 44.4152, 21.3892, 70.1942.



This preview shows how white text looks on a background with the XYZ color 44.4152, 21.3892,

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

44.4152, 21.3892, 70.1942

Protanopia

26.3385, 22.3795, 97.5392

Deuteranopia

22.7151, 22.0484, 62.7331



Tritanopia

32.4913, 21.5861, 12.5793

Trichromacy



Original Color

44.4152, 21.3892, 70.1942



Protanomaly

25.3530, 15.4596, 86.4418



Deuteranomaly

24.8591, 15.9070, 64.7109



Tritanomaly

34.6417, 19.3482, 26.3348

Monochromacy



Original Color

44.4152, 21.3892, 70.1942



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.2821, 10.6841, 25.9623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4152, 21.3892, 70.1942 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(226, 0, 221)` looks like.

```
.text, #text, p{  
    color:rgb(226, 0, 221)  
}
```

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(226, 0, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 0, 221) }
```

Border

The CSS property to change the border of an element to XYZ 44.4152, 21.3892, 70.1942 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(226, 0, 221) }
```


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

```
.border{ border-color:rgb(226, 0, 221) }
```

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

Here you see how a box with a 4 pixel rgb(226, 0, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 0, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 0, 221);  
box-shadow:4px 4px 4px 4px rgb(226, 0,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4152, 21.3892, 70.1942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 0, 221) }
```

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

```
.background{ background-color: rgb(226, 0,  
221) }
```

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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