

Converting Colors

XYZ(44.2010, 21.2320, 72.2979)

Have a look what the booklet for
XYZ(44.2010, 21.2320, 72.2979)
contains.

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Color

**XYZ(44.1950, 21.2291,
72.2893)**

Conversions

Conversions Part 1

Format	Color
Hex	E000E0
RGB	224, 0, 224
RGB Percent	88%, 0%, 88%
CMY	0.1216, 0.9999, 0.1216
CMYK	0.00, 1.00, 0.00, 0.12
HSL	300°, 100%, 44%
HSV	300°, 100%, 88%
XYZ	44.1950, 21.2291, 72.2893
YIQ	92.5120, 61.6000, 117.1520

Conversions

Conversions Part 2

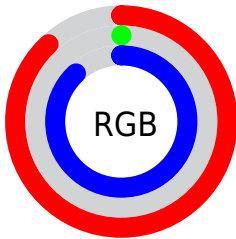
Format	Color
R_{YB}	224, 0, 224
Decimal	14680288
CIE _{Lab}	53.20, 89.09, -55.17
CIE _{LCh}	53, 104.785, 328.233
Yxy	21.2291, 0.3209, 0.1542
Android (android.graphics.Color)	4292870368 (0xFFE000E0)
YUV	92.5120, 64.8236, 115.3150
Hunter-Lab	46.0750, 90.5851, -60.7703

Details

The XYZ color **44.1950, 21.2291, 72.2893** 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 **26.6566, 53.3124, 8.8864**, and the grayscale version is **10.1404, 10.6685, 11.6180**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.3777, 10.7197, 37.9355** is the 20% darker color. If you saturate the color by 10%, you get **44.1955, 21.2294, 72.2896**, and if you desaturate by 10%, it is **44.4908, 21.8199, 72.3881**.

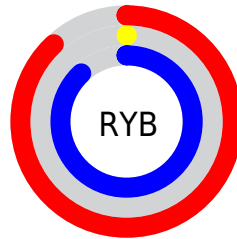
Distribution



Red (88%)

Green (0%)

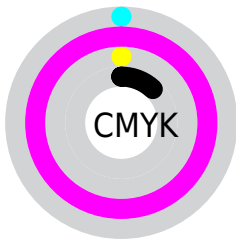
Blue (88%)



Red (88%)

Yellow (0%)

Blue (88%)

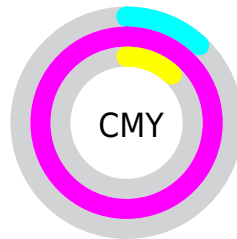


Cyan (0%)

Magenta (100%)

Yellow (0%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.1950, 21.2291, 72.2893 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 44.1950, 21.2291, 72.2893 by changing the saturation by 10% instead.

 44.1950, 21.2291,
72.2893

 44.1950, 21.2291,
72.2893


354.3422,
258.4935, 487.5525

 31.0224, 13.2916,
52.9068


 80.7556, 45.4685,
124.1793


 20.7678, 7.6296,
37.3411


 104.8744, 62.5392,
157.5238


 13.0659, 3.8589,
25.1739


 133.3725, 83.4230,
196.3594

 7.5512, 1.5949,
15.9864

 166.6155,
108.5044, 241.1047

 3.8585, 0.3542,
9.3603

 204.9686,
138.1678, 292.1780

 1.6224, 0.0000,
4.8769

 248.7971,

 0.4070, 0.0000,

172.7975, 349.9981

2.1178

298.4666,
212.7779, 414.9834

■ 0.0000, 0.0000,
0.6263

■ 0.0000, 0.0000,
0.0000

■ 44.1950, 21.2291,
72.2893

■ 44.1950, 21.2291,
72.2893

■ 44.1955, 21.2294,
72.2896

■ 44.4908, 21.8199,
72.3881

■ 45.1276, 23.0935,
72.6004

■ 46.2166, 25.2716,
72.9635

■ 47.8209, 28.4801,
73.4984

■ 49.9935, 32.8253,
74.2226

■ 52.7809, 38.3999,
75.1518

■ 56.2246, 45.2874,
76.2998

■ 60.3628, 53.5637,
77.6793

■ 65.2306, 63.2993,
79.3019

Harmonies

Analogous

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



32.0017, 21.2291, 129.0004



44.1950, 21.2291, 72.2893



49.7702, 21.2291, 25.0447

Triad

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



44.1950, 21.2291, 72.2893



20.8407, 21.2291, 0.0000



6.6426, 21.2291, 65.5522

Complementary

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



44.1950, 21.2291, 72.2893



26.6566, 53.3124, 8.8864

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.



5.5122, 21.2291, 21.2869



44.1950, 21.2291, 72.2893



11.6971, 21.2291, 0.0000

Square

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



44.1950, 21.2291, 72.2893



33.5717, 21.2291, 0.1843



6.9602, 21.2291, 3.5918



10.9249, 21.2291, 123.1801

Rectangle

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



44.1950, 21.2291, 72.2893



47.8644, 21.2291, 8.8164



6.9602, 21.2291, 3.5918



5.9696, 21.2291, 47.8854

Sweetspot

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



44.1959, 21.2301, 72.2897



75.3100, 60.5201, 102.3197



13.4555, 5.3828, 70.8518



15.6777, 12.0703, 21.7534



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.



44.1959, 21.2301, 72.2897



59.2898, 28.4799, 96.9790



33.6669, 17.0185, 16.8448



14.2951, 13.9357, 17.3241



25.7246, 12.3569, 42.0772



1.7831, 0.8565, 2.9166

Inverse Universe

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



44.1959, 21.2301, 72.2897



59.2898, 28.4799, 96.9790



29.5821, 54.4825, 24.2914



14.2951, 13.9357, 17.3241



25.7246, 12.3569, 42.0772



1.7831, 0.8565, 2.9166

Previews

White Background



This preview shows how the XYZ color 44.1950, 21.2291, 72.2893 looks on a white background.

Color Contrast Check

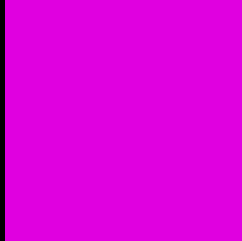
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.1950, 21.2291, 72.2893 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 44.1950, 21.2291, 72.2893

Background



This preview shows how black text looks on a background with the XYZ color 44.1950, 21.2291, 72.2893.



This preview shows how white text looks on a background with the XYZ color 44.1950, 21.2291,

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

44.1950, 21.2291, 72.2893

Protanopia

26.1327, 22.0864, 97.4935

Deuteranopia

22.6687, 21.9814, 64.6761



Tritanopia

32.0884, 21.4892, 13.0463

Trichromacy



Original Color

44.1950, 21.2291, 72.2893



Protanomaly

25.1885, 15.2494, 87.2038



Deuteranomaly

24.6179, 15.7383, 66.7060



Tritanomaly

34.2462, 19.1985, 27.1000

Monochromacy



Original Color

44.1950, 21.2291, 72.2893



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.3562, 10.7137, 26.3525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.1950, 21.2291, 72.2893 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(224, 0, 224)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 224)  
}
```

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(224, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 224) }
```

Border

The CSS property to change the border of an element to XYZ 44.1950, 21.2291, 72.2893 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(224, 0, 224) }
```


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

```
.border{ border-color:rgb(224, 0, 224) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 44.1950, 21.2291, 72.2893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 224) }
```

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

```
.background{ background-color: rgb(224, 0,  
224) }
```

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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