

Converting Colors

XYZ(44.6945, 21.9746, 73.4756)

Have a look what the booklet for
XYZ(44.6945, 21.9746, 73.4756)
contains.

XYZ(44.6787, 21.9788, 73.1217)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.6787, 21.9788,
73.1217)**

Conversions

Conversions Part 1

Format	Color
Hex	E019E1
RGB	224, 25, 225
RGB Percent	88%, 10%, 88%
CMY	0.1216, 0.9019, 0.1176
CMYK	0.00, 0.89, 0.00, 0.12
HSL	300°, 80%, 49%
HSV	300°, 89%, 88%
XYZ	44.6787, 21.9788, 73.1217
YIQ	107.3010, 54.4040, 104.3880

Conversions

Conversions Part 2

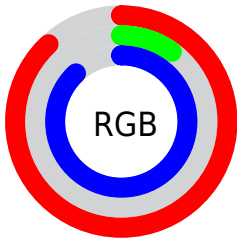
Format	Color
R _Y B	224, 25, 225
Decimal	14686689
CIE _{Lab}	54.00, 87.02, -54.45
CIE _{LCh}	54, 102.653, 327.969
Yxy	21.9788, 0.3196, 0.1572
Android (android.graphics.Color)	4292876769 (0xFFE019E1)
YUV	107.3010, 58.0256, 102.3450
Hunter-Lab	46.8816, 88.0700, -59.6582

Details

The XYZ color **44.6787, 21.9788, 73.1217** 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 **27.5274, 54.1408, 9.9201**, and the grayscale version is **13.8950, 14.6186, 15.9197**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **22.4713, 10.7571, 38.4281** is the 20% darker color. If you saturate the color by 10%, you get **44.3241, 21.3205, 73.0136**, and if you desaturate by 10%, it is **45.4038, 23.3764, 73.3535**.

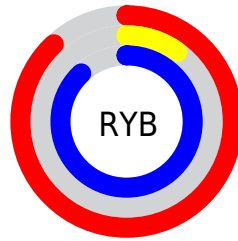
Distribution



Red (88%)

Green (10%)

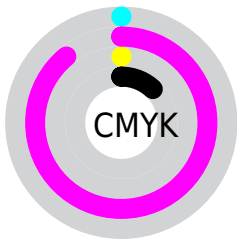
Blue (88%)



Red (88%)

Yellow (10%)

Blue (88%)

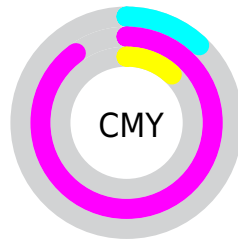


Cyan (0%)

Magenta (89%)

Yellow (0%)

Black (12%)



Cyan (12%)


Magenta (90%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.6787, 21.9788, 73.1217 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 44.6787, 21.9788, 73.1217 by changing the saturation by 10% instead.

 44.6787, 21.9788,
73.1217


 44.6787, 21.9788,
73.1217


356.2764,
262.4355, 490.5186


 31.4046, 13.8413,
53.5831

 81.4781, 46.7110,
125.3725

 21.0605, 8.0104,
37.8775


 105.7341, 64.0744,
158.9217


 13.2809, 4.1016,
25.5865


 134.3815, 85.2820,
197.9782

 7.7006, 1.7306,
16.2916


 167.7856,
110.7181, 242.9605

 3.9542, 0.4433,
9.5741

 206.3118,
140.7671, 294.2871

 1.6762, 0.0000,
5.0156

250.3254,

 0.4413, 0.0000,

175.8134, 352.3767

2.1975

300.1918,
216.2414, 417.6476

■ 0.0000, 0.0000,
0.6729

■ 0.0000, 0.0000,
0.0000

■ 44.6787, 21.9788,
73.1217

■ 44.6787, 21.9788,
73.1217

■ 44.3241, 21.3205,
73.0136

■ 45.4038, 23.3764,
73.3535

■ 44.2929, 21.2638,
73.0043

■ 46.5926, 25.7023,
73.7398

■ 48.3084, 29.0821,
74.3018

■ 50.6039, 33.6213,
75.0569

■ 53.5256, 39.4127,
76.0208

■ 57.1150, 46.5397,
77.2073

■ 61.4103, 55.0784,
78.6290

■ 66.4467, 65.0992,
80.2978

■ 72.2571, 76.6680,
82.2245

Harmonies

Analogous

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



32.5694, 21.9788, 128.5118



44.6787, 21.9788, 73.1217



50.2622, 21.9788, 26.1615

Triad

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



44.6787, 21.9788, 73.1217



21.6551, 21.9788, 0.0000



7.1511, 21.9788, 65.5086

Complementary

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



44.6787, 21.9788, 73.1217



27.5274, 54.1408, 9.9201

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.



6.0063, 21.9788, 21.8314



44.6787, 21.9788, 73.1217



12.4017, 21.9788, 0.1711

Square

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



44.6787, 21.9788, 73.1217



34.3613, 21.9788, 0.4255



7.5273, 21.9788, 3.9579



11.4998, 21.9788, 121.9882

Rectangle

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



44.6787, 21.9788, 73.1217



48.4416, 21.9788, 9.6044



7.5273, 21.9788, 3.9579



6.4646, 21.9788, 48.1426

Sweetspot

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



44.6796, 21.9798, 73.1221



76.7541, 63.5959, 102.8376



14.4156, 6.4904, 71.7275



16.0440, 12.8481, 21.8843



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.



44.6796, 21.9798, 73.1221



58.8229, 28.2392, 96.9581



35.3183, 18.2712, 22.2056



14.2879, 13.9320, 17.3238



25.5267, 12.2548, 42.0684



1.7716, 0.8506, 2.9160

Inverse Universe

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



31.5861, 16.7783, 2.5520



41.2470, 21.2628, 1.9668



30.8195, 55.4547, 27.3868



13.7100, 13.7016, 14.2433



17.8980, 9.2262, 0.8627



1.2416, 0.6399, 0.0650

Previews

White Background



This preview shows how the XYZ color 44.6787, 21.9788, 73.1217 looks on a white background.

Color Contrast Check

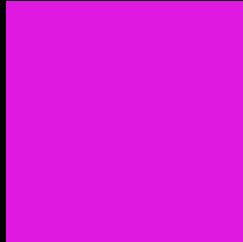
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.6787, 21.9788, 73.1217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

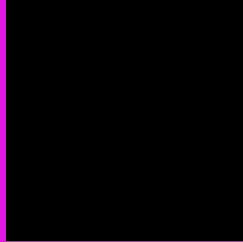
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.6787, 21.9788, 73.1217

Background



This preview shows how black text looks on a background with the XYZ color 44.6787, 21.9788, 73.1217.



This preview shows how white text looks on a background with the XYZ color 44.6787, 21.9788,

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

44.6787, 21.9788, 73.1217

Protanopia

26.6376, 22.7226, 97.5897

Deuteranopia

23.0907, 22.3810, 65.3903



Tritanopia

32.3458, 21.8585, 13.5806

Trichromacy



Original Color

44.6787, 21.9788, 73.1217



Protanomaly

26.4571, 17.0559, 87.4856



Deuteranomaly

25.8673, 17.5696, 67.6736



Tritanomaly

34.9305, 20.3267, 28.0690

Monochromacy



Original Color

44.6787, 21.9788, 73.1217



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

20.7366, 13.9938, 30.4623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6787, 21.9788, 73.1217 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, 25, 225)` looks like.

```
.text, #text, p{  
    color:rgb(224, 25, 225)  
}
```

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, 25, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 25, 225) }
```

Border

The CSS property to change the border of an element to XYZ 44.6787, 21.9788, 73.1217 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, 25, 225) }
```


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

```
.border{ border-color:rgb(224, 25, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 25, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 25, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 25, 225);  
box-shadow:4px 4px 4px 4px rgb(224, 25,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6787, 21.9788, 73.1217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 25, 225) }
```

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

```
.background{ background-color: rgb(224, 25,  
225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor