

Converting Colors

XYZ(45.5828, 23.4937, 69.2637)

Have a look what the booklet for
XYZ(45.5828, 23.4937, 69.2637)
contains.

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Color

**XYZ(45.4417, 23.3994,
69.1393)**

Conversions

Conversions Part 1

Format	Color
Hex	E32EDB
RGB	227, 46, 219
RGB Percent	89%, 18%, 86%
CMY	0.1098, 0.8196, 0.1412
CMYK	0.00, 0.80, 0.04, 0.11
HSL	303°, 76%, 54%
HSV	303°, 80%, 89%
XYZ	45.4417, 23.3994, 69.1393
YIQ	119.8410, 52.3430, 92.1750

Conversions

Conversions Part 2

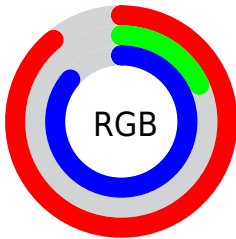
Format	Color
RYB	227, 46, 219
Decimal	14888667
CIELab	55.48, 82.86, -48.66
CIELCh	55, 96.091, 329.576
Yxy	23.3994, 0.3293, 0.1696
Android (android.graphics.Color)	4293078747 (0xFFE32EDB)
YUV	119.8410, 48.8854, 93.9784
Hunter-Lab	48.3729, 83.0309, -50.8820

Details

The XYZ color **45.4417, 23.3994, 69.1393** 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 **29.2628, 55.7864, 12.7171**, and the grayscale version is **17.6413, 18.5600, 20.2119**.

A 20% lighter version of the original color is **65.3073, 40.5146, 98.9858**, and **22.5472, 10.8598, 35.5581** is the 20% darker color. If you saturate the color by 10%, you get **44.6460, 22.0181, 68.2244**, and if you desaturate by 10%, it is **46.7081, 25.7195, 70.2154**.

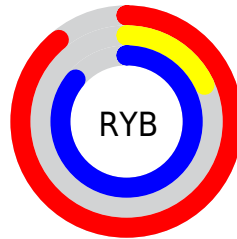
Distribution



Red (89%)

Green (18%)

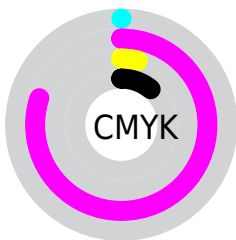
Blue (86%)



Red (89%)

Yellow (18%)

Blue (86%)

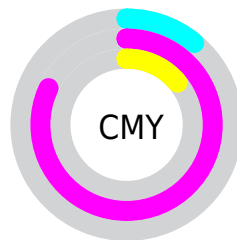


Cyan (0%)

Magenta (80%)

Yellow (4%)

Black (11%)



Cyan (11%)

Magenta (82%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4417, 23.3994, 69.1393 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 45.4417, 23.3994, 69.1393 by changing the saturation by 10% instead.

 45.4417, 23.3994,
69.1393

 45.4417, 23.3994,
69.1393

359.3132,
269.7698, 476.2294

 32.0082, 14.8887,
50.3527


 82.6158, 49.0483,
119.6501

 21.5234, 8.7413,
35.3206


 107.0872, 66.9553,
152.2114

 13.6217, 4.5728,
23.6244


 135.9686, 88.7632,
190.2013

 7.9380, 1.9989,
14.8456

 169.6253,
114.8564, 234.0384

 4.1068, 0.6068,
8.5657

 208.4228,
145.6192, 284.1412

 1.7627, 0.0000,
4.3661

252.7264,

 0.4950, 0.0000,

181.4362, 340.9283

1.8282

302.9014,
222.6916, 404.8181

■ 0.0000, 0.0000,
0.4465

■ 0.0000, 0.0000,
0.0000

■ 45.4417, 23.3994,
69.1393

■ 45.4417, 23.3994,
69.1393

■ 44.6460, 22.0181,
68.2244

■ 46.7081, 25.7195,
70.2154

■ 44.2091, 21.3538,
67.4328

■ 48.5075, 29.1048,
71.4729

■ 44.1989, 21.3391,
67.4120

■ 50.8952, 33.6656,
72.9305

■ 53.9191, 39.4976,
74.6041

■ 57.6223, 46.6868,
76.5081

■ 62.0440, 55.3116,
78.6555

■ 67.2202, 65.4444,
81.0584

■ 73.1850, 77.1528,
83.7281

■ 79.9699, 90.5002,
86.6752

Harmonies

Analogous

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



34.1732, 23.3994, 120.3956



45.4417, 23.3994, 69.1393



50.2123, 23.3994, 25.9215

Triad

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



45.4417, 23.3994, 69.1393



22.3947, 23.3994, 0.0000



8.6080, 23.3994, 67.6641

Complementary

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



45.4417, 23.3994, 69.1393



29.2628, 55.7864, 12.7171

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.



7.2471, 23.3994, 25.0396



45.4417, 23.3994, 69.1393



13.4697, 23.3994, 0.8451

Square

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



45.4417, 23.3994, 69.1393



34.5295, 23.3994, 0.8948



8.6901, 23.3994, 5.6468



13.2797, 23.3994, 119.1582

Rectangle

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



45.4417, 23.3994, 69.1393



48.1715, 23.3994, 10.2725



8.6901, 23.3994, 5.6468



7.8314, 23.3994, 51.1160

Sweetspot

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



45.4426, 23.4005, 69.1398



78.1047, 66.8016, 101.1179



16.2612, 8.2323, 73.4058



16.2849, 13.4546, 21.4319



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.



45.4426, 23.4005, 69.1398



57.7070, 28.0239, 88.0978



36.7175, 19.9105, 23.1940



14.9661, 14.6036, 18.0221



25.7885, 12.4496, 39.3769



1.9143, 0.9234, 2.9550

Inverse Universe

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



45.4426, 23.4005, 69.1398



57.7070, 28.0239, 88.0978



33.5198, 57.4891, 35.1339



14.9661, 14.6036, 18.0221



25.7885, 12.4496, 39.3769



1.9143, 0.9234, 2.9550

Previews

White Background



This preview shows how the XYZ color 45.4417, 23.3994, 69.1393 looks on a white background.

Color Contrast Check

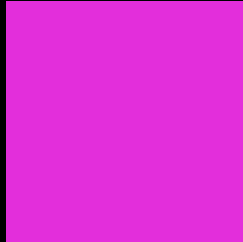
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.4417, 23.3994, 69.1393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

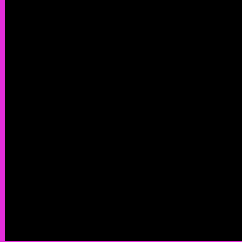
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.4417, 23.3994, 69.1393

Background



This preview shows how black text looks on a background with the XYZ color 45.4417, 23.3994, 69.1393.



This preview shows how white text looks on a background with the XYZ color 45.4417, 23.3994,

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

45.4417, 23.3994, 69.1393

Protanopia

27.7637, 23.8812, 97.7540

Deuteranopia

24.3693, 23.7129, 62.3241



Tritanopia

34.0345, 23.2216, 14.7450

Trichromacy



Original Color

45.4417, 23.3994, 69.1393



Protanomaly

28.3740, 19.3994, 86.2534



Deuteranomaly

27.7392, 19.8501, 63.9975



Tritanomaly

36.8252, 22.3510, 28.3599

Monochromacy



Original Color

45.4417, 23.3994, 69.1393



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

24.2132, 17.5999, 33.5734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4417, 23.3994, 69.1393 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(227, 46, 219)` looks like.

```
.text, #text, p{  
    color:rgb(227, 46, 219)  
}
```

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(227, 46, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 46, 219) }
```

Border

The CSS property to change the border of an element to XYZ 45.4417, 23.3994, 69.1393 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(227, 46, 219) }
```


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

```
.border{ border-color:rgb(227, 46, 219) }
```

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

Here you see how a box with a 4 pixel rgb(227, 46, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 46, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 46, 219);  
box-shadow:4px 4px 4px 4px rgb(227, 46,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4417, 23.3994, 69.1393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 46, 219) }
```

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

```
.background{ background-color: rgb(227, 46,  
219) }
```

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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