

Converting Colors

XYZ(45.2236, 23.4575, 72.4831)

Have a look what the booklet for
XYZ(45.2236, 23.4575, 72.4831)
contains.

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Color

**XYZ(45.3356, 23.5103,
72.6695)**

Conversions

Conversions Part 1

Format	Color
Hex	E032E0
RGB	224, 50, 224
RGB Percent	88%, 20%, 88%
CMY	0.1216, 0.8039, 0.1216
CMYK	0.00, 0.78, 0.00, 0.12
HSL	300°, 74%, 54%
HSV	300°, 78%, 88%
XYZ	45.3356, 23.5103, 72.6695
YIQ	121.8620, 47.8500, 91.0020

Conversions

Conversions Part 2

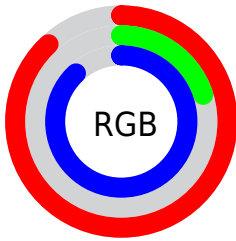
Format	Color
R _Y B	224, 50, 224
Decimal	14693088
CIE Lab	55.59, 82.07, -51.34
CIE LCh	56, 96.806, 327.970
Yxy	23.5103, 0.3204, 0.1661
Android (android.graphics.Color)	4292883168 (0xFFE032E0)
YUV	121.8620, 50.3540, 89.5750
Hunter-Lab	48.4874, 82.0440, -54.9184

Details

The XYZ color **45.3356, 23.5103, 72.6695** 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 **28.5479, 54.2208, 11.9798**, and the grayscale version is **18.2857, 19.2380, 20.9502**.

A 20% lighter version of the original color is **65.6513, 41.2026, 99.1004**, and **22.3777, 10.7197, 37.9355** is the 20% darker color. If you saturate the color by 10%, you get **44.6016, 22.0415, 72.4249**, and if you desaturate by 10%, it is **46.5395, 25.9172, 73.0710**.

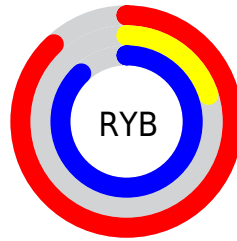
Distribution



Red (88%)

Green (20%)

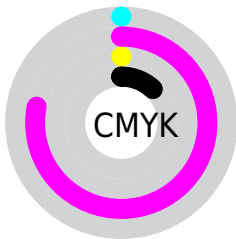
Blue (88%)



Red (88%)

Yellow (20%)

Blue (88%)

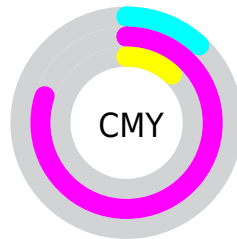


Cyan (0%)

Magenta (78%)

Yellow (0%)

Black (12%)



Cyan (12%)


Magenta (80%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3356, 23.5103, 72.6695 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 45.3356, 23.5103, 72.6695 by changing the saturation by 10% instead.


 45.3356, 23.5103,
72.6695

 45.3356, 23.5103,
72.6695


358.8919,
270.3353, 488.9086

 31.9243, 14.9708,
53.2156


 82.4578, 49.2299,
124.7245

 21.4589, 8.7989,
37.5860


 106.8993, 67.1787,
158.1626


 13.5742, 4.6102,
25.3622


 135.7482, 89.0328,
197.0992

 7.9049, 2.0204,
16.1256

 169.3700,
115.1765, 241.9529

 4.0854, 0.6193,
9.4578

 208.1298,
145.9942, 293.1421

 1.7506, 0.0000,
4.9401

252.3932,

 0.4876, 0.0000,

181.8703, 351.0854

2.1540

302.5255,
223.1892, 416.2014

■ 0.0000, 0.0000,
0.6477

■ 0.0000, 0.0000,
0.0000

■ 45.3356, 23.5103,
72.6695

■ 45.3356, 23.5103,
72.6695

■ 44.6016, 22.0415,
72.4249

■ 46.5395, 25.9172,
73.0710

■ 44.2520, 21.3424,
72.3083

■ 48.2707, 29.3796,
73.6482

■ 44.1955, 21.2293,
72.2894

■ 50.5814, 34.0009,
74.4185

■ 53.5168, 39.8718,
75.3971

■ 57.1177, 47.0737,
76.5975

■ 61.4215, 55.6811,
78.0321

■ 66.4626, 65.7633,
79.7126

■ 72.2733, 77.3847,
81.6496

■ 78.8840, 90.6060,
83.8532

Harmonies

Analogous

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



33.7310, 23.5103, 124.1408



45.3356, 23.5103, 72.6695



50.6394, 23.5103, 27.7923

Triad

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



45.3356, 23.5103, 72.6695



23.0992, 23.5103, 0.0000



8.4432, 23.5103, 65.5088

Complementary

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



45.3356, 23.5103, 72.6695



28.5479, 54.2208, 11.9798

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.



7.2296, 23.5103, 23.5237



45.3356, 23.5103, 72.6695



13.8628, 23.5103, 0.7238

Square

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



45.3356, 23.5103, 72.6695



35.4578, 23.5103, 0.9636



8.8386, 23.5103, 5.1003



12.9452, 23.5103, 118.1272

Rectangle

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



45.3356, 23.5103, 72.6695



48.9123, 23.5103, 11.1509



8.8386, 23.5103, 5.1003



7.7174, 23.5103, 49.0378

Sweetspot

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



45.3365, 23.5114, 72.6700



79.1089, 68.1179, 103.5860



15.9116, 8.3423, 71.2936



16.5003, 13.7156, 22.0276



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.



45.3365, 23.5114, 72.6700



59.5037, 28.9077, 97.0501



36.3977, 19.9358, 25.5986



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0771



1.7831, 0.8565, 2.9166

Inverse Universe

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



45.3365, 23.5114, 72.6700



59.5037, 28.9077, 97.0501



32.4877, 55.7967, 32.7265



14.2951, 13.9357, 17.3241



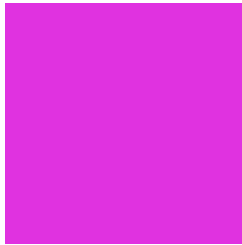
25.7246, 12.3568, 42.0771



1.7831, 0.8565, 2.9166

Previews

White Background



This preview shows how the XYZ color 45.3356, 23.5103, 72.6695 looks on a white background.

Color Contrast Check

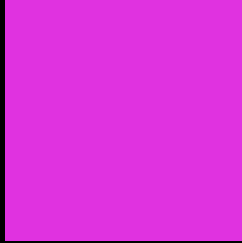
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.3356, 23.5103, 72.6695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

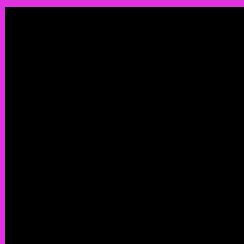
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.3356, 23.5103, 72.6695

Background



This preview shows how black text looks on a background with the XYZ color 45.3356, 23.5103, 72.6695.



This preview shows how white text looks on a background with the XYZ color 45.3356, 23.5103,

72.6695.

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

45.3356, 23.5103, 72.6695

Protanopia

27.9571, 24.1774, 97.8009

Deuteranopia

24.5286, 23.9275, 65.6130



Tritanopia

33.6374, 23.3977, 15.8400

Trichromacy



Original Color

45.3356, 23.5103, 72.6695



Protanomaly

28.7285, 19.8321, 87.9018



Deuteranomaly

27.7262, 20.0616, 67.3767



Tritanomaly

36.5329, 22.4744, 30.4295

Monochromacy



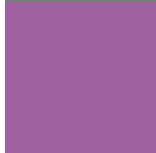
Original Color

45.3356, 23.5103, 72.6695



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

24.7390, 18.2399, 35.0176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3356, 23.5103, 72.6695 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, 50, 224)` looks like.

```
.text, #text, p{  
    color:rgb(224, 50, 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, 50, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 50, 224) }
```

Border

The CSS property to change the border of an element to XYZ 45.3356, 23.5103, 72.6695 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, 50, 224) }
```


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

```
.border{ border-color:rgb(224, 50, 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, 50, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 50, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 50, 224);  
box-shadow:4px 4px 4px 4px rgb(224, 50,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3356, 23.5103, 72.6695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 50, 224) }
```

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

```
.background{ background-color: rgb(224, 50,  
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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