

Converting Colors

XYZ(49.3856, 23.8937, 73.0416)

Have a look what the booklet for
XYZ(49.3856, 23.8937, 73.0416)
contains.

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Color

**XYZ(49.5258, 23.9615,
73.2489)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F000E1 |
| RGB | 240, 0, 225 |
| RGB Percent | 94%, 0%, 88% |
| CMY | 0.0588, 0.9998, 0.1176 |
| CMYK | 0.00, 1.00, 0.06, 0.06 |
| HSL | 304°, 100%, 47% |
| HSV | 304°, 100%, 94% |
| XYZ | 49.5258, 23.9615, 73.2489 |
| YIQ | 97.4100, 70.8150, 120.8550 |

Conversions

Conversions Part 2

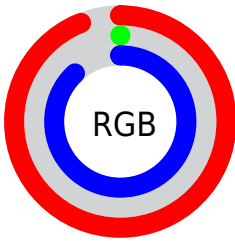
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 240, 0, 225 |
| Decimal | 15728865 |
| CIE _{Lab} | 56.05, 91.79, -51.02 |
| CIE _{LCh} | 56, 105.017, 330.933 |
| Yxy | 23.9615, 0.3375, 0.1633 |
| Android (android.graphics.Color) | 4293918945 (0xFFFF00E1) |
| YUV | 97.4100, 62.9019, 125.0514 |
| Hunter-Lab | 48.9505, 94.9346, -54.4555 |

Details

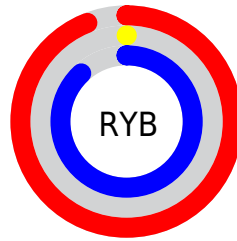
The XYZ color **49.5258, 23.9615, 73.2489** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **31.2475, 62.3558, 10.8425**, and the grayscale version is **11.3069, 11.8958, 12.9545**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **25.7518, 12.4483, 38.5816** is the 20% darker color. If you saturate the color by 10%, you get **49.5259, 23.9616, 73.2473**, and if you desaturate by 10%, it is **50.0594, 24.6990, 74.4413**.

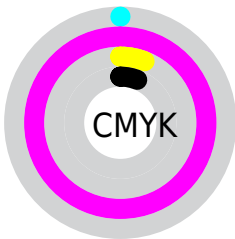
Distribution



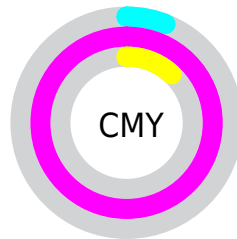
- Red (94%)
- Green (0%)
- Blue (88%)



- Red (94%)
- Yellow (0%)
- Blue (88%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (6%)



- Cyan (6%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5258, 23.9615, 73.2489 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 49.5258, 23.9615, 73.2489 by changing the saturation by 10% instead.


 49.5258, 23.9615,
73.2489


 49.5258, 23.9615,
73.2489

375.2913,
272.6258, 490.9709

 35.2530, 15.3051,
53.6864


 88.6679, 49.9674,
125.5547

 24.0253, 9.0338,
37.9596


 114.2680, 68.0856,
159.1351

 15.4772, 4.7632,
25.6497


 144.3745, 90.1265,
198.2252

 9.2435, 2.1090,
16.3384

 179.3528,
116.4746, 243.2437

 4.9587, 0.6697,
9.6070

 219.5683,
147.5141, 294.6089

 2.2576, 0.0000,
5.0370

265.3863,

 0.7728, 0.0000,

183.6296, 352.7395

2.2099

317.1722,
225.2053, 418.0540

■ 0.0000, 0.0000,
0.6800

■ 0.0000, 0.0000,
0.0000

■ 49.5258, 23.9615,
73.2489

■ 49.5258, 23.9615,
73.2489

■ 49.5259, 23.9616,
73.2473

■ 50.0594, 24.6990,
74.4413

■ 50.9980, 26.2443,
75.7774

■ 52.4687, 28.8509,
77.2997

■ 54.5464, 32.6686,
79.0334

■ 57.2941, 37.8234,
80.9994

■ 60.7670, 44.4255,
83.2160

■ 65.0143, 52.5737,
85.6998

■ 70.0812, 62.3581,
88.4659

■ 76.0092, 73.8619,
91.5280

Harmonies

Analogous

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



36.8350, 23.9615, 133.9552



49.5258, 23.9615, 73.2489



54.5671, 23.9615, 25.0278

Triad

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



49.5258, 23.9615, 73.2489



22.4007, 23.9615, 0.0000



8.1492, 23.9615, 77.0244

Complementary

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



49.5258, 23.9615, 73.2489



31.2475, 62.3558, 10.8425

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.



6.6040, 23.9615, 27.1819



49.5258, 23.9615, 73.2489



12.8432, 23.9615, 0.4583

Square

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



49.5258, 23.9615, 73.2489



35.9448, 23.9615, 0.3388



7.9611, 23.9615, 5.3386



13.2929, 23.9615, 137.1861

Rectangle

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



49.5258, 23.9615, 73.2489



51.8874, 23.9615, 8.8711



7.9611, 23.9615, 5.3386



7.2933, 23.9615, 57.5892

Sweetspot

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



49.5267, 23.9627, 73.2494



74.5495, 60.2159, 98.3152



15.8810, 6.3707, 82.8317



15.4924, 11.9962, 20.7775



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.



49.5267, 23.9627, 73.2494



56.8287, 27.4955, 84.0189



38.6441, 19.6096, 15.9422



16.4091, 16.0134, 19.7105



27.1296, 13.1243, 40.1947



2.2698, 1.0969, 3.4114

Inverse Universe

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



49.5267, 23.9627, 73.2494



56.8287, 27.4955, 84.0189



35.3272, 63.9877, 32.3257



16.4091, 16.0134, 19.7105



27.1296, 13.1243, 40.1947



2.2698, 1.0969, 3.4114

Previews

White Background



This preview shows how the XYZ color 49.5258, 23.9615, 73.2489 looks on a white background.

Color Contrast Check

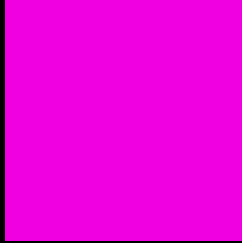
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.5258, 23.9615, 73.2489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

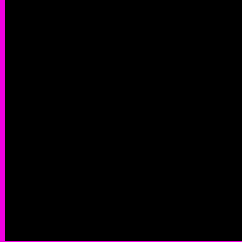
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.5258, 23.9615, 73.2489

Background



This preview shows how black text looks on a background with the XYZ color 49.5258, 23.9615, 73.2489.



This preview shows how white text looks on a background with the XYZ color 49.5258, 23.9615,

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

49.5258, 23.9615, 73.2489

Protanopia

28.6160, 24.9158, 97.9087

Deuteranopia

25.2457, 24.5179, 65.0299



Tritanopia

37.1887, 24.1185, 13.2850

Trichromacy



Original Color

49.5258, 23.9615, 73.2489



Protanomaly

28.7054, 17.6181, 87.4756



Deuteranomaly

27.9352, 17.9093, 66.9502



Tritanomaly

39.5754, 21.9371, 27.7396

Monochromacy



Original Color

49.5258, 23.9615, 73.2489



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

19.1511, 11.8484, 27.6632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5258, 23.9615, 73.2489 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(240, 0, 225)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 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(240, 0, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 225) }
```

Border

The CSS property to change the border of an element to XYZ 49.5258, 23.9615, 73.2489 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(240, 0, 225) }
```


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

```
.border{ border-color:rgb(240, 0, 225) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 225);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5258, 23.9615, 73.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 225) }
```

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

```
.background{ background-color: rgb(240, 0,  
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](#).

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