

Converting Colors

XYZ(46.7265, 25.3715, 73.9220)

Have a look what the booklet for
XYZ(46.7265, 25.3715, 73.9220)
contains.

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Color

**XYZ(46.5902, 25.3402,
73.6697)**

Conversions

Conversions Part 1

Format	Color
Hex	E142E1
RGB	225, 66, 225
RGB Percent	88%, 26%, 88%
CMY	0.1176, 0.7411, 0.1176
CMYK	0.00, 0.71, 0.00, 0.12
HSL	300°, 73%, 57%
HSV	300°, 71%, 88%
XYZ	46.5902, 25.3402, 73.6697
YIQ	131.6670, 43.7250, 83.1570

Conversions

Conversions Part 2

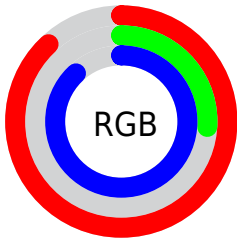
Format	Color
R _Y B	225, 66, 225
Decimal	14762721
CIE Lab	57.41, 77.83, -49.02
CIE LCh	57, 91.982, 327.798
Yxy	25.3402, 0.3200, 0.1740
Android (android.graphics.Color)	4292952801 (0xFFE142E1)
YUV	131.6670, 46.0132, 81.8530
Hunter-Lab	50.3391, 77.1134, -51.5318

Details

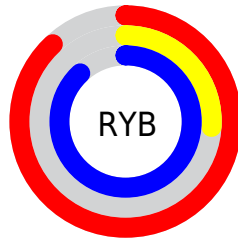
The XYZ color **46.5902, 25.3402, 73.6697** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **30.1565, 55.4033, 14.2601**, and the grayscale version is **21.6427, 22.7698, 24.7963**.

A 20% lighter version of the original color is **67.0092, 43.9183, 99.5531**, and **22.8873, 10.9716, 38.4475** is the 20% darker color. If you saturate the color by 10%, you get **45.5249, 23.2089, 73.3147**, and if you desaturate by 10%, it is **48.1741, 28.5071, 74.1980**.

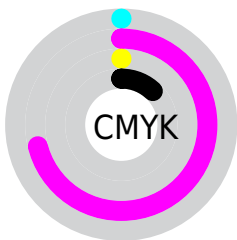
Distribution



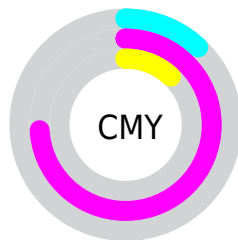
- Red (88%)
- Green (26%)
- Blue (88%)



- Red (88%)
- Yellow (26%)
- Blue (88%)



- Cyan (0%)
- Magenta (71%)
- Yellow (0%)
- Black (12%)





- Cyan (12%)
- Magenta (74%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5902, 25.3402, 73.6697 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 46.5902, 25.3402, 73.6697 by changing the saturation by 10% instead.


 46.5902, 25.3402,
73.6697


 46.5902, 25.3402,
73.6697


363.8527,
279.5279, 492.4655

 32.9184, 16.3307,
54.0286

 84.3241, 52.2086,
126.1572

 22.2229, 9.7585,
38.2312


 109.1168, 70.8363,
159.8406


 14.1383, 5.2391,
25.8589


 138.3473, 93.4388,
199.0420

 8.2992, 2.3882,
16.4933

 172.3809,
120.4006, 244.1797

 4.3404, 0.8198,
9.7158

 211.5828,
152.1060, 295.6724

 1.8965, 0.0000,
5.1078

256.3185,

 0.5748, 0.0000,

188.9394, 353.9385

2.2508

306.9534,
231.2853, 419.3967

■ 0.0000, 0.0000,
0.7035

■ 0.0000, 0.0000,
0.0000

■ 46.5902, 25.3402,
73.6697

■ 46.5902, 25.3402,
73.6697

■ 45.5249, 23.2089,
73.3147

■ 48.1741, 28.5071,
74.1980


■ 44.9108, 21.9807,
73.1098

■ 50.3279, 32.8146,
74.9160


■ 44.6425, 21.4441,
73.0203


■ 53.0998, 38.3585,
75.8401


■ 56.5324, 45.2237,
76.9845

 60.6643, 53.4875,
78.3619

 65.5312, 63.2213,
79.9843

 71.1664, 74.4916,
81.8628

 77.6011, 87.3609,
84.0079

 80.4028, 92.9642,
84.9419

Harmonies

Analogous

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



35.2691, 25.3402, 122.3519



46.5902, 25.3402, 73.6697



51.7630, 25.3402, 29.9681

Triad

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



46.5902, 25.3402, 73.6697



24.9013, 25.3402, 0.4936



9.8725, 25.3402, 66.2291

Complementary

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



46.5902, 25.3402, 73.6697



30.1565, 55.4033, 14.2601

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.



8.6022, 25.3402, 25.3434



46.5902, 25.3402, 73.6697



15.5572, 25.3402, 1.2563

Square

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



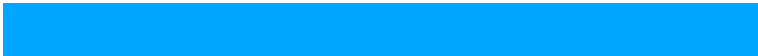
46.5902, 25.3402, 73.6697



37.1029, 25.3402, 1.5748



10.3247, 25.3402, 6.3459



14.5357, 25.3402, 116.2177

Rectangle

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



46.5902, 25.3402, 73.6697



50.1321, 25.3402, 12.9857



10.3247, 25.3402, 6.3459



9.1102, 25.3402, 50.3662

Sweetspot

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



46.5912, 25.3414, 73.6702



80.2816, 70.4634, 103.9769



17.7867, 10.4921, 72.3231



16.8392, 14.3934, 22.1405



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.



46.5912, 25.3414, 73.6702



59.9908, 29.8822, 97.2122



38.1503, 21.9650, 29.2214



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0769



1.7831, 0.8565, 2.9165

Inverse Universe

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



46.5912, 25.3414, 73.6702



59.9908, 29.8822, 97.2122



34.3228, 57.0698, 36.1990



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0769



1.7831, 0.8565, 2.9165

Previews

White Background



This preview shows how the XYZ color 46.5902, 25.3402, 73.6697 looks on a white background.

Color Contrast Check

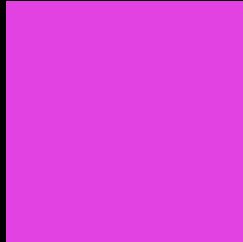
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.5902, 25.3402, 73.6697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

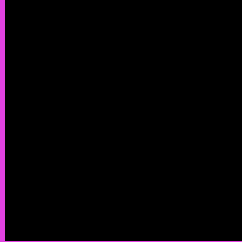
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.5902, 25.3402, 73.6697

Background



This preview shows how black text looks on a background with the XYZ color 46.5902, 25.3402, 73.6697.



This preview shows how white text looks on a background with the XYZ color 46.5902, 25.3402,

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

46.5902, 25.3402, 73.6697

Protanopia

29.4767, 25.7661, 98.0275

Deuteranopia

26.3717, 25.6846, 67.1860



Tritanopia

35.0263, 25.0675, 18.3217

Trichromacy



Original Color

46.5902, 25.3402, 73.6697



Protanomaly

31.0037, 22.2148, 88.2418



Deuteranomaly

30.1261, 22.6700, 69.1176



Tritanomaly

38.0212, 24.3640, 32.8358

Monochromacy



Original Color

46.5902, 25.3402, 73.6697



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

27.9714, 21.5853, 38.7685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5902, 25.3402, 73.6697 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(225, 66, 225)` looks like.

```
.text, #text, p{  
    color:rgb(225, 66, 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(225, 66, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 66, 225) }
```

Border

The CSS property to change the border of an element to XYZ 46.5902, 25.3402, 73.6697 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(225, 66, 225) }
```


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

```
.border{ border-color:rgb(225, 66, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 66, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 66, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 66, 225); box-shadow:4px 4px 4px 4px rgb(225, 66, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5902, 25.3402, 73.6697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 66, 225) }
```

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

```
.background{ background-color: rgb(225, 66,  
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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