

Converting Colors

XYZ(46.2310, 22.2180, 75.1250)

Have a look what the booklet for
XYZ(46.2310, 22.2180, 75.1250)
contains.

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Color

**XYZ(46.3167, 22.2594,
75.2541)**

Conversions

Conversions Part 1

Format	Color
Hex	E500E4
RGB	229, 0, 228
RGB Percent	90%, 0%, 89%
CMY	0.1020, 0.9999, 0.1059
CMYK	0.00, 1.00, 0.00, 0.10
HSL	300°, 100%, 45%
HSV	300°, 100%, 90%
XYZ	46.3167, 22.2594, 75.2541
YIQ	94.4630, 63.2960, 119.4560

Conversions

Conversions Part 2

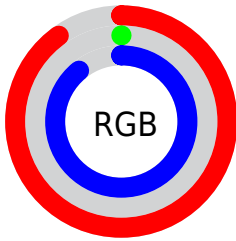
Format	Color
R_{YB}	229, 0, 228
Decimal	15007972
CIE _{Lab}	54.30, 90.44, -55.62
CIE _{LCh}	54, 106.174, 328.409
Yxy	22.2594, 0.3220, 0.1548
Android (android.graphics.Color)	4293198052 (0xFFE500E4)
YUV	94.4630, 65.8337, 117.9889
Hunter-Lab	47.1799, 92.6695, -61.5444

Details

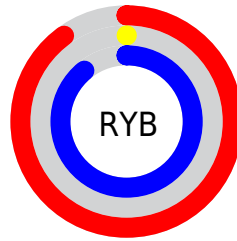
The XYZ color **46.3167, 22.2594, 75.2541** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **28.0258, 56.0420, 9.3698**, and the grayscale version is **10.5919, 11.1435, 12.1352**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **23.5948, 11.3034, 39.9679** is the 20% darker color. If you saturate the color by 10%, you get **46.3172, 22.2597, 75.2543**, and if you desaturate by 10%, it is **46.6362, 22.8754, 75.4294**.

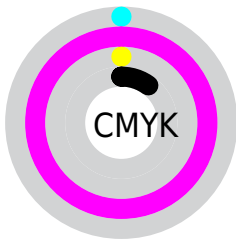
Distribution



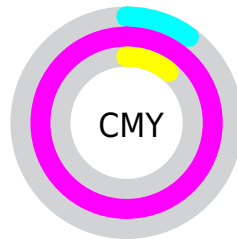
- Red (90%)
- Green (0%)
- Blue (89%)



- Red (90%)
- Yellow (0%)
- Blue (89%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3167, 22.2594, 75.2541 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 46.3167, 22.2594, 75.2541 by changing the saturation by 10% instead.

 46.3167, 22.2594,
75.2541

 46.3167, 22.2594,
75.2541


362.7751,
263.8979, 498.0692


 32.7015, 14.0476,
55.3181


 83.9177, 47.1744,
128.4224


 22.0560, 8.1538,
39.2561


 108.6343, 64.6463,
162.4918


 14.0149, 4.1935,
26.6497


 137.7819, 85.9738,
202.1093

 8.2128, 1.7824,
17.0802

 171.7261,
111.5412, 247.6937

 4.2844, 0.4762,
10.1291

 210.8322,
141.7330, 299.6633

 1.8642, 0.0000,
5.3779

255.4655,

 0.5559, 0.0000,

176.9334, 358.4367

2.4081

305.9913,
217.5269, 424.4325

■ 0.0000, 0.0000,
0.7908

■ 0.0000, 0.0000,
0.0000

■ 46.3167, 22.2594,
75.2541

■ 46.3167, 22.2594,
75.2541

■ 46.3172, 22.2597,
75.2543

■ 46.6362, 22.8754,
75.4294

■ 47.3156, 24.2118,
75.7245

■ 48.4707, 26.4999,
76.1782

■ 50.1684, 29.8728,
76.8128

■ 52.4645, 34.4428,
77.6470

■ 55.4082, 40.3079,
78.6970

■ 59.0435, 47.5561,
79.9776

■ 63.4105, 56.2677,
81.5022

■ 68.5463, 66.5169,
83.2830

Harmonies

Analogous

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



33.5991, 22.2594, 134.5063



46.3167, 22.2594, 75.2541



52.0828, 22.2594, 26.0487

Triad

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



46.3167, 22.2594, 75.2541



21.7805, 22.2594, 0.0000



7.0051, 22.2594, 68.9207

Complementary

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



46.3167, 22.2594, 75.2541



28.0258, 56.0420, 9.3698

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.



5.8035, 22.2594, 22.5107



46.3167, 22.2594, 75.2541



12.2422, 22.2594, 0.0164

Square

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



46.3167, 22.2594, 75.2541



35.0762, 22.2594, 0.2225



7.3048, 22.2594, 3.8403



11.5143, 22.2594, 129.0382

Rectangle

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



46.3167, 22.2594, 75.2541



50.0506, 22.2594, 9.1742



7.3048, 22.2594, 3.8403



6.2935, 22.2594, 50.4268

Sweetspot

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



46.3176, 22.2604, 75.2545



75.2562, 60.4986, 102.0366



14.1438, 5.6581, 74.4766



15.6646, 12.0651, 21.6843



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.



46.3176, 22.2604, 75.2545



59.1110, 28.4084, 96.0372



35.3808, 17.8857, 17.6618



14.9923, 14.6141, 18.1599



26.4828, 12.7273, 43.0328



1.9579, 0.9409, 3.1847

Inverse Universe

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



46.3176, 22.2604, 75.2545



59.1110, 28.4084, 96.0372



31.0869, 57.2665, 25.4894



14.9923, 14.6141, 18.1599



26.4828, 12.7273, 43.0328



1.9579, 0.9409, 3.1847

Previews

White Background



This preview shows how the XYZ color 46.3167, 22.2594, 75.2541 looks on a white background.

Color Contrast Check

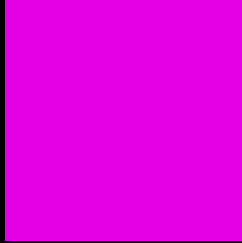
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.3167, 22.2594, 75.2541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

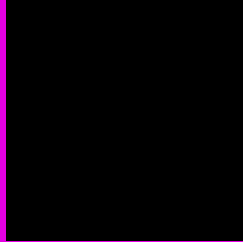
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.3167, 22.2594, 75.2541

Background



This preview shows how black text looks on a background with the XYZ color 46.3167, 22.2594, 75.2541.



This preview shows how white text looks on a background with the XYZ color 46.3167, 22.2594,

75.2541.

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

46.3167, 22.2594, 75.2541

Protanopia

27.0555, 23.1288, 97.6461

Deuteranopia

23.6133, 23.0198, 66.8170



Tritanopia

33.7461, 22.5856, 13.4073

Trichromacy



Original Color

46.3167, 22.2594, 75.2541



Protanomaly

26.6263, 16.1904, 88.1079



Deuteranomaly

25.7880, 16.5235, 68.8480



Tritanomaly

35.9363, 20.1251, 27.9771

Monochromacy



Original Color

46.3167, 22.2594, 75.2541



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.9015, 11.0545, 27.1768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3167, 22.2594, 75.2541 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(229, 0, 228)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 228)  
}
```

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(229, 0, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 228) }
```

Border

The CSS property to change the border of an element to XYZ 46.3167, 22.2594, 75.2541 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(229, 0, 228) }
```


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

```
.border{ border-color:rgb(229, 0, 228) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 228);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3167, 22.2594, 75.2541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 228) }
```

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

```
.background{ background-color: rgb(229, 0,  
228) }
```

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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