

Converting Colors

XYZ(46.4906, 22.3475, 75.3359)

Have a look what the booklet for
XYZ(46.4906, 22.3475, 75.3359)
contains.

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Color

**XYZ(46.6367, 22.4244,
75.2691)**

Conversions

Conversions Part 1

Format	Color
Hex	E600E4
RGB	230, 0, 228
RGB Percent	90%, 0%, 89%
CMY	0.0980, 0.9999, 0.1059
CMYK	0.00, 1.00, 0.01, 0.10
HSL	301°, 100%, 45%
HSV	301°, 100%, 90%
XYZ	46.6367, 22.4244, 75.2691
YIQ	94.7620, 63.8920, 119.6680

Conversions

Conversions Part 2

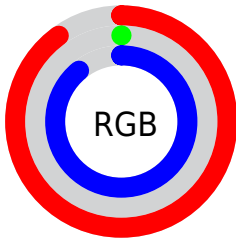
Format	Color
R_{YB}	230, 0, 228
Decimal	15073508
CIE _{Lab}	54.47, 90.60, -55.33
CIE _{LCh}	54, 106.158, 328.585
Yxy	22.4244, 0.3231, 0.1554
Android (android.graphics.Color)	4293263588 (0xFFE600E4)
YUV	94.7620, 65.6863, 118.6037
Hunter-Lab	47.3544, 92.9244, -61.0925

Details

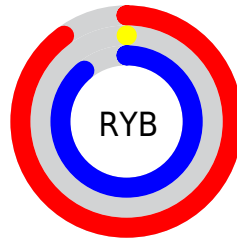
The XYZ color **46.6367, 22.4244, 75.2691** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **28.3088, 56.5991, 9.4912**, and the grayscale version is **10.6631, 11.2184, 12.2168**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **23.8086, 11.4136, 39.9779** is the 20% darker color. If you saturate the color by 10%, you get **46.6372, 22.4247, 75.2692**, and if you desaturate by 10%, it is **46.9721, 23.0500, 75.5182**.

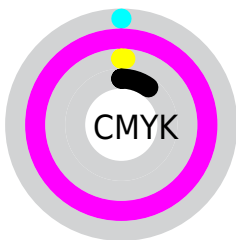
Distribution



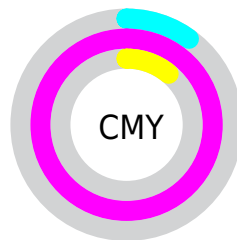
- Red (90%)
- Green (0%)
- Blue (89%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (10%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6367, 22.4244, 75.2691 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 46.6367, 22.4244, 75.2691 by changing the saturation by 10% instead.


 46.6367, 22.4244,
75.2691

 46.6367, 22.4244,
75.2691


364.0357,
264.7546, 498.1221


 32.9553, 14.1691,
55.3303


 84.3931, 47.4464,
128.4438

 22.2513, 8.2384,
39.2659


 109.1988, 64.9820,
162.5168


 14.1593, 4.2478,
26.6572


 138.4434, 86.3796,
202.1383

 8.3140, 1.8131,
17.0858

 172.4921,
112.0239, 247.7268

 4.3500, 0.4953,
10.1331

 211.7103,
142.2991, 299.7009

 1.9020, 0.0000,
5.3805

256.4634,

 0.5780, 0.0000,

177.5898, 358.4792

2.4096

307.1168,
218.2801, 424.4800

■ 0.0000, 0.0000,
0.7917

■ 0.0000, 0.0000,
0.0000

■ 46.6367, 22.4244,
75.2691

■ 46.6367, 22.4244,
75.2691

■ 46.6372, 22.4247,
75.2692

■ 46.9721, 23.0500,
75.5182

■ 47.6713, 24.4037,
75.8886

■ 48.8511, 26.7187,
76.4193

■ 50.5789, 30.1297,
77.1329

■ 52.9114, 34.7500,
78.0482

■ 55.8982, 40.6788,
79.1818

■ 59.5837, 48.0051,
80.5484

■ 64.0086, 56.8100,
82.1616

■ 69.2103, 67.1685,
84.0340

Harmonies

Analogous

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



33.8926, 22.4244, 134.7486



46.6367, 22.4244, 75.2691



52.3657, 22.4244, 26.0309

Triad

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



46.6367, 22.4244, 75.2691



21.8702, 22.4244, 0.0000



7.0974, 22.4244, 69.6194

Complementary

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



46.6367, 22.4244, 75.2691



28.3088, 56.5991, 9.4912

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.



5.8705, 22.4244, 22.8700



46.6367, 22.4244, 75.2691



12.3103, 22.4244, 0.0492

Square

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



46.6367, 22.4244, 75.2691



35.2113, 22.4244, 0.2324



7.3658, 22.4244, 3.9441



11.6593, 22.4244, 129.8739

Rectangle

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



46.6367, 22.4244, 75.2691



50.2845, 22.4244, 9.1723



7.3658, 22.4244, 3.9441



6.3747, 22.4244, 51.0193

Sweetspot

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



46.6376, 22.4255, 75.2695



75.2031, 60.4773, 101.7565



14.2839, 5.7142, 75.2141



15.6516, 12.0599, 21.6159



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.



46.6376, 22.4255, 75.2695



58.9348, 28.3379, 95.1093



35.7295, 18.0622, 17.8283



14.9895, 14.6130, 18.1449



26.4055, 12.6964, 42.6261



1.9530, 0.9389, 3.1592

Inverse Universe

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



46.6376, 22.4255, 75.2695



58.9348, 28.3379, 95.1093



31.3932, 57.8329, 25.7334



14.9895, 14.6130, 18.1449



26.4055, 12.6964, 42.6261



1.9530, 0.9389, 3.1592

Previews

White Background



This preview shows how the XYZ color 46.6367, 22.4244, 75.2691 looks on a white background.

Color Contrast Check

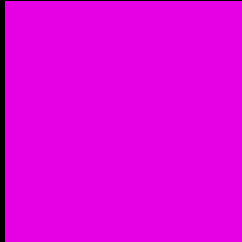
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.6367, 22.4244, 75.2691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

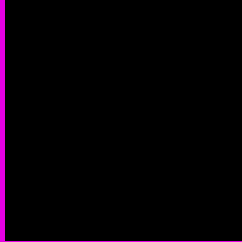
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.6367, 22.4244, 75.2691

Background



This preview shows how black text looks on a background with the XYZ color 46.6367, 22.4244, 75.2691.



This preview shows how white text looks on a background with the XYZ color 46.6367, 22.4244,

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

46.6367, 22.4244, 75.2691

Protanopia

27.2374, 23.4152, 97.6918

Deuteranopia

23.7822, 23.1069, 66.8249



Tritanopia

34.0406, 22.7375, 13.4211

Trichromacy



Original Color

46.6367, 22.4244, 75.2691



Protanomaly

26.7600, 16.2593, 88.1142



Deuteranomaly

25.9482, 16.6060, 68.8555



Tritanomaly

36.2398, 20.2816, 27.9913

Monochromacy



Original Color

46.6367, 22.4244, 75.2691



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.0754, 11.1442, 27.1850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6367, 22.4244, 75.2691 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(230, 0, 228)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 0, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 228) }
```

Border

The CSS property to change the border of an element to XYZ 46.6367, 22.4244, 75.2691 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(230, 0, 228) }
```


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

```
.border{ border-color:rgb(230, 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(230, 0, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 228);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6367, 22.4244, 75.2691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 228) }
```

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

```
.background{ background-color: rgb(230, 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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