

Converting Colors

XYZ(46.3765, 22.3018, 74.7349)

Have a look what the booklet for
XYZ(46.3765, 22.3018, 74.7349)
contains.

XYZ(46.4983, 22.3690, 74.5400)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.4983, 22.3690,
74.5400)**

Conversions

Conversions Part 1

Format	Color
Hex	E600E3
RGB	230, 0, 227
RGB Percent	90%, 0%, 89%
CMY	0.0980, 0.9999, 0.1098
CMYK	0.00, 1.00, 0.01, 0.10
HSL	301°, 100%, 45%
HSV	301°, 100%, 90%
XYZ	46.4983, 22.3690, 74.5400
YIQ	94.6480, 64.2130, 119.3570

Conversions

Conversions Part 2

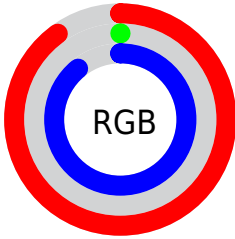
Format	Color
R _Y B	230, 0, 227
Decimal	15073507
CIE _{Lab}	54.42, 90.46, -54.86
CIE _{LCh}	54, 105.793, 328.764
Yxy	22.3690, 0.3242, 0.1560
Android (android.graphics.Color)	4293263587 (0xFFE600E3)
YUV	94.6480, 65.2495, 118.7037
Hunter-Lab	47.2959, 92.7221, -60.3361

Details

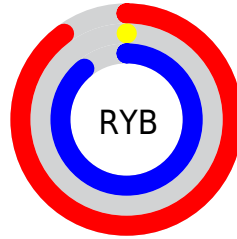
The XYZ color **46.4983, 22.3690, 74.5400** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **28.3143, 56.6014, 9.5200**, and the grayscale version is **10.6367, 11.1906, 12.1866**.

A 20% lighter version of the original color is **63.7518, 37.4037, 98.4673**, and **23.7129, 11.3753, 39.4739** is the 20% darker color. If you saturate the color by 10%, you get **46.4988, 22.3693, 74.5400**, and if you desaturate by 10%, it is **46.8474, 23.0000, 74.8611**.

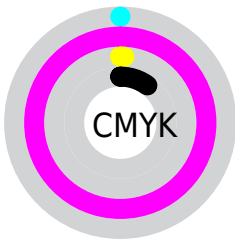
Distribution



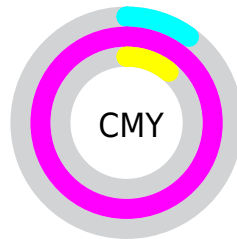
- Red (90%)
- Green (0%)
- Blue (89%)



- 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 46.4983, 22.3690, 74.5400 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 46.4983, 22.3690, 74.5400 by changing the saturation by 10% instead.

 46.4983, 22.3690,
74.5400


 46.4983, 22.3690,
74.5400

363.4908,
264.4673, 495.5482

 32.8455, 14.1283,
54.7367


 84.1876, 47.3551,
127.4021


 22.1668, 8.2099,
38.7938


 108.9547, 64.8693,
161.2979


 14.0968, 4.2296,
26.2927


 138.1574, 86.2435,
200.7284

 8.2702, 1.8028,
16.8150

 172.1610,
111.8620, 246.1119

 4.3216, 0.4889,
9.9421

 211.3307,
142.1092, 297.8671

 1.8856, 0.0000,
5.2555

256.0320,

 0.5685, 0.0000,

177.3696, 356.4126

2.3366

306.6303,
218.0274, 422.1667

■ 0.0000, 0.0000,
0.7516

■ 0.0000, 0.0000,
0.0000

■ 46.4983, 22.3690,
74.5400

■ 46.4983, 22.3690,
74.5400

■ 46.4988, 22.3693,
74.5400

■ 46.8474, 23.0000,
74.8611

■ 47.5602, 24.3591,
75.3036

■ 48.7536, 26.6795,
75.9068

■ 50.4952, 30.0959,
76.6930

■ 52.8415, 34.7216,
77.6811

■ 55.8421, 40.6558,
78.8876

■ 59.5414, 47.9875,
80.3275

■ 63.9802, 56.7978,
82.0142

■ 69.1958, 67.1617,
83.9602

Harmonies

Analogous

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



33.8538, 22.3690, 133.6605



46.4983, 22.3690, 74.5400



52.1330, 22.3690, 25.7554

Triad

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



46.4983, 22.3690, 74.5400



21.7442, 22.3690, 0.0000



7.1206, 22.3690, 69.6374

Complementary

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



46.4983, 22.3690, 74.5400



28.3143, 56.6014, 9.5200

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.



5.8800, 22.3690, 23.0083



46.4983, 22.3690, 74.5400



12.2570, 22.3690, 0.0757

Square

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



46.4983, 22.3690, 74.5400



34.9991, 22.3690, 0.2352



7.3544, 22.3690, 4.0111



11.6906, 22.3690, 129.4330

Rectangle

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



46.4983, 22.3690, 74.5400



50.0229, 22.3690, 9.0795



7.3544, 22.3690, 4.0111



6.3937, 22.3690, 51.1143

Sweetspot

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



46.4992, 22.3701, 74.5404



75.1497, 60.4560, 101.4756



14.2839, 5.7142, 75.2143



15.6386, 12.0547, 21.5474



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.



46.4992, 22.3701, 74.5404



58.7588, 28.2675, 94.1825



35.7295, 18.0622, 17.8280



14.9866, 14.6118, 18.1298



26.3284, 12.6656, 42.2198



1.9482, 0.9370, 3.1338

Inverse Universe

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



46.4992, 22.3701, 74.5404



58.7588, 28.2675, 94.1825



31.3932, 57.8330, 25.7331



14.9866, 14.6118, 18.1298



26.3284, 12.6656, 42.2198



1.9482, 0.9370, 3.1338

Previews

White Background



This preview shows how the XYZ color 46.4983, 22.3690, 74.5400 looks on a white background.

Color Contrast Check

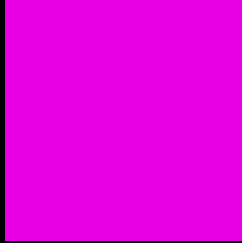
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.4983, 22.3690, 74.5400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

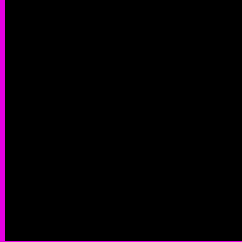
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 46.4983, 22.3690, 74.5400

Background



This preview shows how black text looks on a background with the XYZ color 46.4983, 22.3690, 74.5400.



This preview shows how white text looks on a background with the XYZ color 46.4983, 22.3690,

74.5400.

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

46.4983, 22.3690, 74.5400

Protanopia

27.2374, 23.4152, 97.6918

Deuteranopia

23.7412, 23.1005, 66.1583



Tritanopia

33.9568, 22.5699, 13.3932

Trichromacy



Original Color

46.4983, 22.3690, 74.5400



Protanomaly

26.7600, 16.2593, 88.1142



Deuteranomaly

25.9786, 16.6368, 68.1717



Tritanomaly

36.2398, 20.2816, 27.9913

Monochromacy



Original Color

46.4983, 22.3690, 74.5400



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 46.4983, 22.3690, 74.5400 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, 227)` looks like.

```
.text, #text, p{  
  color:rgb(230, 0, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 227) }
```

Border

The CSS property to change the border of an element to XYZ 46.4983, 22.3690, 74.5400 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, 227) }
```


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

```
.border{ border-color:rgb(230, 0, 227) }
```

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, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 227);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4983, 22.3690, 74.5400 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, 227) }
```

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

```
.background{ background-color: rgb(230, 0,  
227) }
```

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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