

Converting Colors

XYZ(43.2080, 17.1784, 39.6861)

Have a look what the booklet for
XYZ(43.2080, 17.1784, 39.6861)
contains.

XYZ(46.0621, 22.8967, 40.5198)	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(46.0621, 22.8967,
40.5198)**

Conversions

Conversions Part 1

Format	Color
Hex	F800AB
RGB	248, 0, 171
RGB Percent	97%, 0%, 67%
CMY	0.0274, 0.9998, 0.3294
CMYK	0.00, 1.00, 0.31, 0.03
HSL	319°, 100%, 49%
HSV	319°, 100%, 97%
XYZ	46.0621, 22.8967, 40.5198
YIQ	93.6460, 92.9170, 105.7570

Conversions

Conversions Part 2

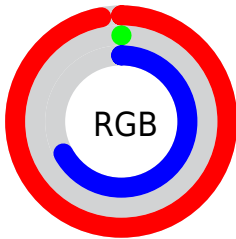
Format	Color
R_{YB}	248, 0, 171
Decimal	16253099
CIE _{Lab}	54.97, 86.85, -21.50
CIE _{LCh}	55, 89.475, 346.095
Yxy	22.8967, 0.4207, 0.2091
Android (android.graphics.Color)	4294443179 (0xFFFF800AB)
YUV	93.6460, 38.1355, 135.3685
Hunter-Lab	47.8505, 88.0903, -16.7114

Details

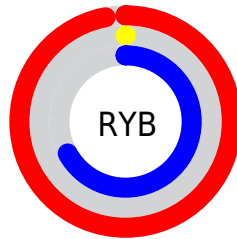
The XYZ color **46.0621, 22.8967, 40.5198** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **34.9096, 67.6719, 18.2532**, and the grayscale version is **10.4609, 11.0056, 11.9851**.

A 20% lighter version of the original color is **59.5246, 35.8653, 75.7369**, and **23.5795, 11.7710, 18.4820** is the 20% darker color. If you saturate the color by 10%, you get **46.0606, 22.8962, 40.5116**, and if you desaturate by 10%, it is **47.1626, 23.8882, 44.6151**.

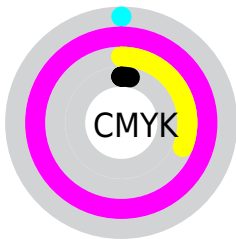
Distribution



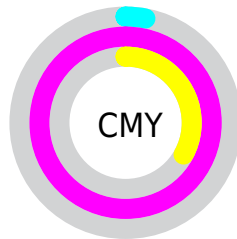
- Red (97%)
- Green (0%)
- Blue (67%)



- Red (97%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0621, 22.8967, 40.5198 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 46.0621, 22.8967, 40.5198 by changing the saturation by 10% instead.

 46.0621, 22.8967,
40.5198


 46.0621, 22.8967,
40.5198

361.7700,
267.1940, 363.9266


 32.4997, 14.5172,
27.6272


 83.5392, 48.2237,
77.2001


 21.9008, 8.4813,
17.8082


 108.1846, 65.9399,
101.8249


 13.9002, 4.4044,
10.6444


 137.2550, 87.5373,
131.1975

 8.1325, 1.9023,
5.7171

 171.1158,
113.4001, 165.7365

 4.2324, 0.5497,
2.6078

 210.1324,
143.9128, 205.8603

 1.8344, 0.0000,
0.8965

254.6700,

 0.5383, 0.0000,

179.4598, 251.9876

0.0000

305.0941,
220.4254, 304.5369

■ 0.0000, 0.0000,
0.0000

■ 46.0621, 22.8967,
40.5198

■ 46.0621, 22.8967,
40.5198

■ 46.0606, 22.8962,
40.5116

■ 47.1626, 23.8882,
44.6151

■ 48.7433, 25.7706,
49.0848

■ 50.9402, 28.8147,
53.9779

■ 53.8353, 33.1835,
59.3250

■ 57.4977, 39.0140,
65.1523

■ 61.9876, 46.4259,
71.4832

■ 67.3594, 55.5266,
78.3387

■ 73.6624, 66.4137,
85.7385

■ 80.9422, 79.1778,
93.7006

Harmonies

Analogous

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



38.6255, 22.8967, 85.3444



46.0621, 22.8967, 40.5198



45.7515, 22.8967, 12.6344

Triad

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



46.0621, 22.8967, 40.5198



16.8861, 22.8967, 0.6153



11.0239, 22.8967, 88.7448

Complementary

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



46.0621, 22.8967, 40.5198



34.9096, 67.6719, 18.2532

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.



8.0875, 22.8967, 43.3745



46.0621, 22.8967, 40.5198



10.6993, 22.8967, 2.9851

Square

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



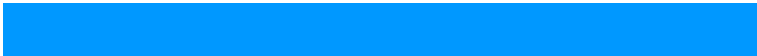
46.0621, 22.8967, 40.5198



26.6823, 22.8967, 0.5534



7.9903, 22.8967, 13.9613



17.4882, 22.8967, 124.6246

Rectangle

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



46.0621, 22.8967, 40.5198



41.1290, 22.8967, 4.5973



7.9903, 22.8967, 13.9613



9.6911, 22.8967, 73.0262

Sweetspot

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



46.0628, 22.8980, 40.5202



71.7182, 59.0834, 83.4055



19.8018, 8.2518, 89.3563



14.8088, 11.7227, 17.1776



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.



46.0628, 22.8980, 40.5202



49.0576, 24.3871, 43.0971



39.2802, 20.1849, 4.8032



17.7501, 17.4274, 20.5399



24.9478, 12.3949, 22.2315



2.3582, 1.1670, 2.3097

Inverse Universe

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



46.0628, 22.8980, 40.5202



49.0576, 24.3871, 43.0971



43.8087, 71.2316, 65.1151



17.7501, 17.4274, 20.5399



24.9478, 12.3949, 22.2315



2.3582, 1.1670, 2.3097

Previews

White Background



This preview shows how the XYZ color 46.0621, 22.8967, 40.5198 looks on a white background.

Color Contrast Check

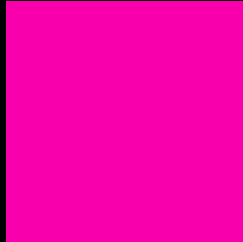
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.0621, 22.8967, 40.5198 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 46.0621, 22.8967, 40.5198

Background



This preview shows how black text looks on a background with the XYZ color 46.0621, 22.8967, 40.5198.



This preview shows how white text looks on a background with the XYZ color 46.0621, 22.8967,

40.5198.

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

46.0621, 22.8967, 40.5198

Protanopia

27.0810, 23.7280, 88.7406

Deuteranopia

24.0007, 23.4899, 36.5267



Tritanopia

39.4482, 23.2772, 8.2081

Trichromacy



Original Color

46.0621, 22.8967, 40.5198



Protanomaly

26.0229, 16.4476, 67.4488



Deuteranomaly

27.4733, 17.9808, 37.1446



Tritanomaly

40.8259, 22.0224, 16.0089

Monochromacy



Original Color

46.0621, 22.8967, 40.5198



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.7064, 11.1209, 19.6257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0621, 22.8967, 40.5198 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(248, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(248, 0, 171)  
}
```

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(248, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 46.0621, 22.8967, 40.5198 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(248, 0, 171) }
```


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

```
.border{ border-color:rgb(248, 0, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 0, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(248, 0,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0621, 22.8967, 40.5198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 0, 171) }
```

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

```
.background{ background-color: rgb(248, 0,  
171) }
```

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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