

Converting Colors

XYZ(40.9429, 22.6828, 46.4952)

Have a look what the booklet for
XYZ(40.9429, 22.6828, 46.4952)
contains.

XYZ(40.9066, 22.6699, 46.4757)	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(40.9066, 22.6699,
46.4757)**

Conversions

Conversions Part 1

Format	Color
Hex	E03EB6
RGB	224, 62, 182
RGB Percent	88%, 24%, 71%
CMY	0.1216, 0.7568, 0.2863
CMYK	0.00, 0.72, 0.19, 0.12
HSL	316°, 72%, 56%
HSV	316°, 72%, 88%
XYZ	40.9066, 22.6699, 46.4757
YIQ	124.1180, 58.0320, 71.6640

Conversions

Conversions Part 2

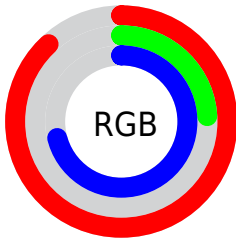
Format	Color
R _Y B	224, 62, 182
Decimal	14696118
CIE Lab	54.73, 72.63, -28.64
CIE LCh	55, 78.072, 338.482
Yxy	22.6699, 0.3717, 0.2060
Android (android.graphics.Color)	4292886198 (0xFFE03EB6)
YUV	124.1180, 28.5358, 87.5965
Hunter-Lab	47.6129, 70.0355, -24.5448

Details

The XYZ color **40.9066, 22.6699, 46.4757** is a light color, and the websafe version is hex **CC0099**. The color can be described as light washed rose. A complement of this color would be **31.1422, 55.3358, 22.1387**, and the grayscale version is **19.0932, 20.0875, 21.8753**.

A 20% lighter version of the original color is **63.7556, 41.5990, 85.5580**, and **19.4795, 9.5843, 21.5922** is the 20% darker color. If you saturate the color by 10%, you get **39.3419, 20.4810, 43.0540**, and if you desaturate by 10%, it is **42.9993, 25.8743, 50.1966**.

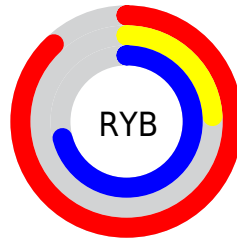
Distribution



Red (88%)

Green (24%)

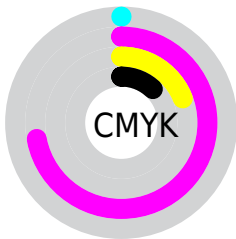
Blue (71%)



Red (88%)

Yellow (24%)

Blue (71%)

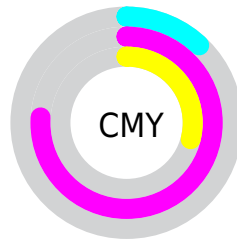


Cyan (0%)

Magenta (72%)

Yellow (19%)

Black (12%)



Cyan (12%)


Magenta (76%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9066, 22.6699, 46.4757 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 40.9066, 22.6699, 46.4757 by changing the saturation by 10% instead.

 40.9066, 22.6699,
46.4757


 40.9066, 22.6699,
46.4757


340.9994,
266.0250, 389.0508


 28.4335, 14.3500,
32.2700


 75.8177, 47.8507,
86.2722


 18.7948, 8.3645,
21.3013


 98.9864, 65.4804,
112.7002


 11.6252, 4.3290,
13.1510


 126.4509, 86.9821,
144.0392

 6.5594, 1.8593,
7.4007

 158.5767,
112.7403, 180.7080

 3.2320, 0.5237,
3.6317

 195.7291,
143.1392, 223.1250

 1.2776, 0.0000,
1.4256

238.2734,

 0.1664, 0.0000,

178.5634, 271.7088

0.1615

286.5751,
219.3972, 326.8779

■ 0.0000, 0.0000,
0.0000

■ 40.9066, 22.6699,
46.4757

■ 40.9066, 22.6699,
46.4757

■ 39.3419, 20.4810,
43.0540

■ 42.9993, 25.8743,
50.1966

■ 38.2366, 19.1717,
39.9066


■ 45.6730, 30.2008,
54.2352


■ 37.6166, 18.5978,
37.6466


■ 48.9766, 35.7463,
58.6095


■ 52.9530, 42.5962,
63.3352

■ 57.6413, 50.8282,
68.4266

 63.0776, 60.5140,
73.8972

 69.2953, 71.7202,
79.7594

 76.3259, 84.5093,
86.0250

 81.3908, 93.3235,
91.7691

Harmonies

Analogous

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



33.5762, 22.6699, 83.4997



40.9066, 22.6699, 46.4757



42.4162, 22.6699, 18.3309

Triad

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



40.9066, 22.6699, 46.4757



19.1966, 22.6699, 1.2182



11.0130, 22.6699, 67.4962

Complementary

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



40.9066, 22.6699, 46.4757



31.1422, 55.3358, 22.1387

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.



8.9714, 22.6699, 32.3569



40.9066, 22.6699, 46.4757



12.8007, 22.6699, 3.0642

Square

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



40.9066, 22.6699, 46.4757



28.2070, 22.6699, 1.6327



9.5248, 22.6699, 11.0584



16.0278, 22.6699, 100.2684

Rectangle

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



40.9066, 22.6699, 46.4757



39.6176, 22.6699, 8.2758



9.5248, 22.6699, 11.0584



10.0265, 22.6699, 54.8956

Sweetspot

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



40.9074, 22.6710, 46.4761



77.4363, 68.3792, 91.9099



20.7149, 11.6826, 71.6847



16.1850, 13.9479, 19.2621



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.



40.9074, 22.6710, 46.4761



51.9212, 26.4093, 55.4732



34.8873, 20.2630, 14.7750



14.1353, 13.8718, 16.4828



21.9447, 10.8449, 22.1723



1.5570, 0.7661, 1.7259

Inverse Universe

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



40.9074, 22.6710, 46.4761



51.9212, 26.4093, 55.4732



37.2427, 57.7760, 54.2636



14.1353, 13.8718, 16.4828



21.9447, 10.8449, 22.1723



1.5570, 0.7661, 1.7259

Previews

White Background



This preview shows how the XYZ color 40.9066, 22.6699, 46.4757 looks on a white background.

Color Contrast Check

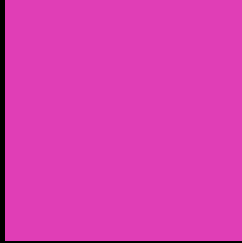
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.9066, 22.6699, 46.4757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

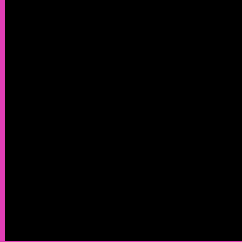
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.9066, 22.6699, 46.4757

Background



This preview shows how black text looks on a background with the XYZ color 40.9066, 22.6699, 46.4757.



This preview shows how white text looks on a background with the XYZ color 40.9066, 22.6699,

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

40.9066, 22.6699, 46.4757

Protanopia

26.1678, 23.1999, 82.4557

Deuteranopia

23.3227, 22.8166, 42.2045



Tritanopia

33.9568, 22.5699, 13.3932

Trichromacy



Original Color

40.9066, 22.6699, 46.4757



Protanomaly

26.8607, 19.7640, 67.3649



Deuteranomaly

27.1861, 20.6087, 43.6193



Tritanomaly

35.8402, 22.1843, 22.4717

Monochromacy



Original Color

40.9066, 22.6699, 46.4757



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

24.2617, 18.8253, 29.1430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9066, 22.6699, 46.4757 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(224, 62, 182)` looks like.

```
.text, #text, p{  
    color:rgb(224, 62, 182)  
}
```

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(224, 62, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 62, 182) }
```

Border

The CSS property to change the border of an element to XYZ 40.9066, 22.6699, 46.4757 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(224, 62, 182) }
```


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

```
.border{ border-color:rgb(224, 62, 182) }
```

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

Here you see how a box with a 4 pixel rgb(224, 62, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 62, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 62, 182);  
box-shadow:4px 4px 4px 4px rgb(224, 62,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9066, 22.6699, 46.4757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 62, 182) }
```

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

```
.background{ background-color: rgb(224, 62,  
182) }
```

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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