

Converting Colors

XYZ(40.7740, 22.8557, 45.0091)

Have a look what the booklet for
XYZ(40.7740, 22.8557, 45.0091)
contains.

XYZ(40.7674, 22.8826, 44.9159)	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(40.7674, 22.8826,
44.9159)**

Conversions

Conversions Part 1

Format	Color
Hex	E041B3
RGB	224, 65, 179
RGB Percent	88%, 25%, 70%
CMY	0.1216, 0.7451, 0.2980
CMYK	0.00, 0.71, 0.20, 0.12
HSL	317°, 72%, 57%
HSV	317°, 71%, 88%
XYZ	40.7674, 22.8826, 44.9159
YIQ	125.5370, 58.1700, 69.1620

Conversions

Conversions Part 2

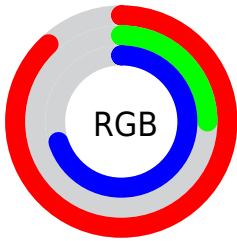
Format	Color
R_{YB}	224, 65, 179
Decimal	14696883
CIE _{Lab}	54.95, 71.25, -26.55
CIE _{LCh}	55, 76.038, 339.561
Yxy	22.8826, 0.3755, 0.2108
Android (android.graphics.Color)	4292886963 (0xFFE041B3)
YUV	125.5370, 26.3573, 86.3521
Hunter-Lab	47.8358, 68.4117, -22.1859

Details

The XYZ color **40.7674, 22.8826, 44.9159** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **31.6514, 55.5616, 23.8109**, and the grayscale version is **19.5756, 20.5951, 22.4280**.

A 20% lighter version of the original color is **63.5690, 41.9254, 83.3392**, and **19.2829, 9.5057, 20.5571** is the 20% darker color. If you saturate the color by 10%, you get **39.1003, 20.5509, 41.2690**, and if you desaturate by 10%, it is **42.9750, 26.2475, 48.8888**.

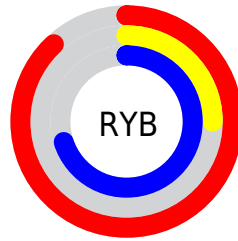
Distribution



Red (88%)

Green (25%)

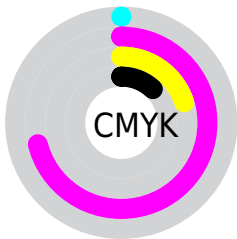
Blue (70%)



Red (88%)

Yellow (25%)

Blue (70%)

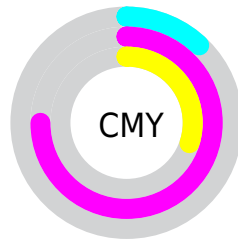


Cyan (0%)

Magenta (71%)

Yellow (20%)

Black (12%)



Cyan (12%)


Magenta (75%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7674, 22.8826, 44.9159 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 40.7674, 22.8826, 44.9159 by changing the saturation by 10% instead.


 40.7674, 22.8826,
44.9159


 40.7674, 22.8826,
44.9159

340.4267,
267.1214, 382.5830

 28.3242, 14.5068,
31.0487


 75.6076, 48.2005,
83.9113


 18.7119, 8.4740,
20.3772


 98.7354, 65.9114,
109.8766


 11.5651, 4.3997,
12.4827


 126.1554, 87.5028,
140.7117

 6.5183, 1.8996,
6.9468

 158.2330,
113.3592, 176.8352

 3.2064, 0.5481,
3.3509

 195.3336,
143.8648, 218.6655

 1.2638, 0.0000,
1.2765

237.8225,

 0.1559, 0.0000,

179.4041, 266.6212

0.0424

286.0651,
220.3615, 321.1209

■ 0.0000, 0.0000,
0.0000

■ 40.7674, 22.8826,
44.9159

■ 40.7674, 22.8826,
44.9159

■ 39.1003, 20.5509,
41.2690

■ 42.9750, 26.2475,
48.8888

■ 37.9068, 19.1200,
37.9233


■ 45.7751, 30.7499,
53.2064


■ 37.1384, 18.4065,
35.1291


■ 49.2157, 36.4850,
57.8868


■ 53.3395, 43.5374,
62.9459

■ 58.1850, 51.9837,
68.3985

 63.7881, 61.8950,
74.2581

 70.1821, 73.3373,
80.5378

 77.3982, 86.3727,
87.2495

 81.6497, 93.4270,
93.1327

Harmonies

Analogous

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



33.8041, 22.8826, 80.6400



40.7674, 22.8826, 44.9159



41.9894, 22.8826, 17.9673

Triad

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



40.7674, 22.8826, 44.9159



19.1643, 22.8826, 1.4447



11.4866, 22.8826, 67.7670

Complementary

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



40.7674, 22.8826, 44.9159



31.6514, 55.5616, 23.8109

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.



9.3535, 22.8826, 33.4568



40.7674, 22.8826, 44.9159



12.9667, 22.8826, 3.5194

Square

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



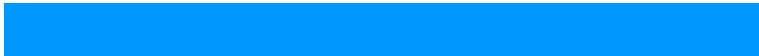
40.7674, 22.8826, 44.9159



27.9203, 22.8826, 1.8138



9.8144, 22.8826, 11.9578



16.5618, 22.8826, 98.7319

Rectangle

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



40.7674, 22.8826, 44.9159



39.1320, 22.8826, 8.3043



9.8144, 22.8826, 11.9578



10.4700, 22.8826, 55.5847

Sweetspot

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



40.7681, 22.8838, 44.9163



77.9366, 69.5254, 91.6282



21.4580, 12.3147, 71.7672



16.2743, 14.1674, 19.1658



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.



40.7681, 22.8838, 44.9163



51.6397, 26.5417, 53.2357



35.0350, 20.5905, 14.7262



14.1209, 13.8660, 16.4070



21.6688, 10.7345, 20.7193



1.5397, 0.7592, 1.6351

Inverse Universe

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



40.7681, 22.8838, 44.9163



51.6397, 26.5417, 53.2357



37.7956, 58.0193, 56.1658



14.1209, 13.8660, 16.4070



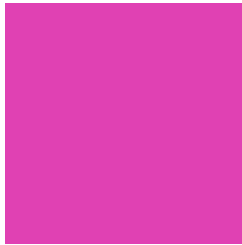
21.6688, 10.7345, 20.7193



1.5397, 0.7592, 1.6351

Previews

White Background



This preview shows how the XYZ color 40.7674, 22.8826, 44.9159 looks on a white background.

Color Contrast Check

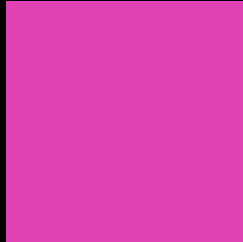
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.7674, 22.8826, 44.9159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

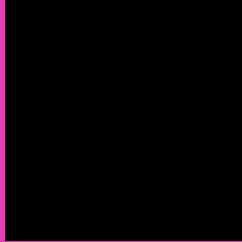
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.7674, 22.8826, 44.9159

Background



This preview shows how black text looks on a background with the XYZ color 40.7674, 22.8826, 44.9159.

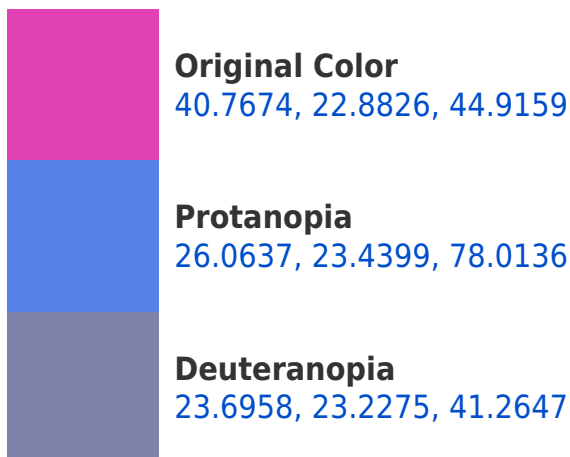


This preview shows how white text looks on a background with the XYZ color 40.7674, 22.8826,

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





Tritanopia

34.3828, 22.9086, 13.6760

Trichromacy



Original Color

40.7674, 22.8826, 44.9159



Protanomaly

27.2284, 20.3296, 64.1169



Deuteranomaly

27.3948, 20.9023, 42.1258



Tritanomaly

36.2235, 22.6069, 22.1930

Monochromacy



Original Color

40.7674, 22.8826, 44.9159



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

24.9614, 19.6263, 29.2607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7674, 22.8826, 44.9159 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, 65, 179)` looks like.

```
.text, #text, p{  
    color:rgb(224, 65, 179)  
}
```

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, 65, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 65, 179) }
```

Border

The CSS property to change the border of an element to XYZ 40.7674, 22.8826, 44.9159 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, 65, 179) }
```


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

```
.border{ border-color:rgb(224, 65, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 65, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 65, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 65, 179);  
box-shadow:4px 4px 4px 4px rgb(224, 65,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7674, 22.8826, 44.9159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 65, 179) }
```

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

```
.background{ background-color: rgb(224, 65,  
179) }
```

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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