

Converting Colors

XYZ(40.2783, 22.0171, 73.3027)

Have a look what the booklet for
XYZ(40.2783, 22.0171, 73.3027)
contains.

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Color

**XYZ(40.3827, 22.0542,
73.3626)**

Conversions

Conversions Part 1

Format	Color
Hex	CC41E1
RGB	204, 65, 225
RGB Percent	80%, 25%, 88%
CMY	0.2000, 0.7451, 0.1176
CMYK	0.09, 0.71, 0.00, 0.12
HSL	292°, 73%, 57%
HSV	292°, 71%, 88%
XYZ	40.3827, 22.0542, 73.3626
YIQ	124.8010, 31.4840, 79.2280

Conversions

Conversions Part 2

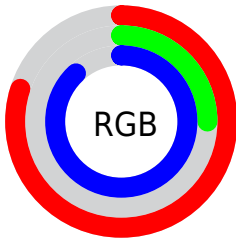
Format	Color
R _Y B	204, 65, 225
Decimal	13386209
CIE Lab	54.08, 73.80, -54.50
CIE LCh	54, 91.740, 323.554
Yxy	22.0542, 0.2974, 0.1624
Android (android.graphics.Color)	4291576289 (0xFFCC41E1)
YUV	124.8010, 49.3981, 69.4575
Hunter-Lab	46.9619, 71.3094, -59.7479

Details

The XYZ color **40.3827, 22.0542, 73.3626** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **31.7178, 56.2110, 14.1800**, and the grayscale version is **19.2594, 20.2624, 22.0657**.

A 20% lighter version of the original color is **66.6236, 43.1472, 99.4245**, and **19.0155, 8.9756, 38.2663** is the 20% darker color. If you saturate the color by 10%, you get **38.5372, 19.5526, 72.9773**, and if you desaturate by 10%, it is **42.7595, 25.5938, 73.9209**.

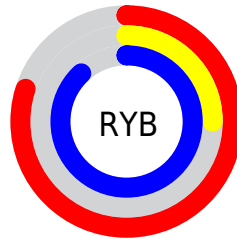
Distribution



Red (80%)

Green (25%)

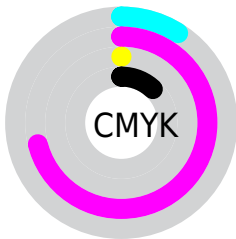
Blue (88%)



Red (80%)

Yellow (25%)

Blue (88%)

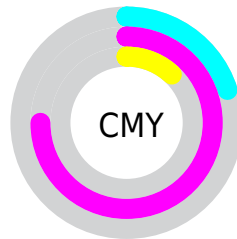


Cyan (9%)

Magenta (71%)

Yellow (0%)

Black (12%)



Cyan (20%)

Magenta (75%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3827, 22.0542, 73.3626 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 40.3827, 22.0542, 73.3626 by changing the saturation by 10% instead.

40.3827, 22.0542,
73.3626

40.3827, 22.0542,
73.3626

338.8408,
262.8292, 491.3750

28.0226, 13.8967,
53.7789

75.0266, 46.8356,
125.7175

18.4832, 8.0489,
38.0329

98.0410, 64.2282,
159.3258

11.3993, 4.1262,
25.7062

125.3377, 85.4681,
198.4460

6.4053, 1.7444,
16.3802

157.2818,
110.9396, 243.4967

3.1361, 0.4522,
9.6363

194.2389,
141.0270, 294.8964

1.2261, 0.0000,
5.0561

236.5741,

0.1268, 0.0000,

176.1148, 353.0637

2.2209

284.6530,
216.5874, 418.4170

■ 0.0000, 0.0000,
0.6864

■ 0.0000, 0.0000,
0.0000

■ 40.3827, 22.0542,
73.3626

■ 40.3827, 22.0542,
73.3626

■ 38.5372, 19.5526,
72.9773

■ 42.7595, 25.5938,
73.9209


■ 37.1548, 17.9555,
72.7419


■ 45.7193, 30.2775,
74.6689


■ 36.2180, 17.1011,
72.6264


■ 49.3109, 36.2017,
75.6231


■ 53.5770, 43.4516,
76.7976

 58.5563, 52.1048,
78.2054

 64.2849, 62.2331,
79.8585

 70.7961, 73.9032,
81.7678

 78.1214, 87.1778,
83.9440

 82.1700, 93.8752,
85.0234

Harmonies

Analogous

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



29.5571, 22.0542, 117.1384



40.3827, 22.0542, 73.3626



46.2412, 22.0542, 30.6918

Triad

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



40.3827, 22.0542, 73.3626



23.1798, 22.0542, 0.1460



7.8768, 22.0542, 53.1714

Complementary

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



40.3827, 22.0542, 73.3626



31.7178, 56.2110, 14.1800

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.



7.1356, 22.0542, 18.3815



40.3827, 22.0542, 73.3626



14.2189, 22.0542, 0.6399

Square

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



40.3827, 22.0542, 73.3626



34.4769, 22.0542, 1.4165



9.0468, 22.0542, 3.9729



11.5404, 22.0542, 100.3499

Rectangle

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



40.3827, 22.0542, 73.3626



45.5480, 22.0542, 13.3406



9.0468, 22.0542, 3.9729



7.3379, 22.0542, 39.2475

Sweetspot

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



40.3836, 22.0552, 73.3631



77.7431, 69.1547, 103.8584



19.1259, 13.2701, 72.7878



16.2259, 14.0772, 22.1119



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.



40.3836, 22.0552, 73.3631



50.2887, 24.8805, 96.7596



39.8559, 22.5544, 38.4909



14.1088, 13.8396, 17.3154



20.9415, 9.8910, 41.8538



1.5014, 0.7113, 2.9034

Inverse Universe

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



34.6220, 20.4609, 10.9296



42.9452, 23.0639, 7.4511



32.7230, 56.4216, 28.1255



13.7801, 13.7297, 14.6122



18.0488, 9.2865, 1.6567



1.2751, 0.6533, 0.2415

Previews

White Background



This preview shows how the XYZ color 40.3827, 22.0542, 73.3626 looks on a white background.

Color Contrast Check

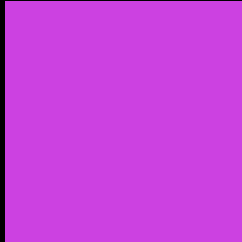
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3827, 22.0542, 73.3626 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 40.3827, 22.0542, 73.3626

Background



This preview shows how black text looks on a background with the XYZ color 40.3827, 22.0542, 73.3626.



This preview shows how white text looks on a background with the XYZ color 40.3827, 22.0542,

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

40.3827, 22.0542, 73.3626

Protanopia

26.5559, 22.4916, 97.5494

Deuteranopia

23.0219, 22.3162, 66.7124



Tritanopia

28.8058, 21.8671, 17.7415

Trichromacy



Original Color

40.3827, 22.0542, 73.3626



Protanomaly

26.8883, 19.1752, 87.8720



Deuteranomaly

25.8350, 19.5076, 68.7334



Tritanomaly

31.5718, 21.0487, 32.1045

Monochromacy



Original Color

40.3827, 22.0542, 73.3626



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

24.6097, 19.1437, 36.1162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3827, 22.0542, 73.3626 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(204, 65, 225)` looks like.

```
.text, #text, p{  
    color:rgb(204, 65, 225)  
}
```

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(204, 65, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 65, 225) }
```

Border

The CSS property to change the border of an element to XYZ 40.3827, 22.0542, 73.3626 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(204, 65, 225) }
```


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

```
.border{ border-color:rgb(204, 65, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 65, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 65, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 65, 225);  
box-shadow:4px 4px 4px 4px rgb(204, 65,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3827, 22.0542, 73.3626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 65, 225) }
```

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

```
.background{ background-color: rgb(204, 65,  
225) }
```

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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