

Converting Colors

XYZ(41.2279, 20.0567, 56.0147)

Have a look what the booklet for
XYZ(41.2279, 20.0567, 56.0147)
contains.

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Color

**XYZ(41.0493, 19.9708,
55.7240)**

Conversions

Conversions Part 1

Format	Color
Hex	E000C7
RGB	224, 0, 199
RGB Percent	88%, 0%, 78%
CMY	0.1216, 0.9999, 0.2196
CMYK	0.00, 1.00, 0.11, 0.12
HSL	307°, 100%, 44%
HSV	307°, 100%, 88%
XYZ	41.0493, 19.9708, 55.7240
YIQ	89.6620, 69.6250, 109.3770

Conversions

Conversions Part 2

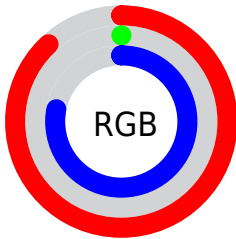
Format	Color
R _Y B	224, 0, 199
Decimal	14680263
CIE Lab	51.80, 85.68, -43.07
CIE LCh	52, 95.900, 333.311
Yxy	19.9708, 0.3516, 0.1711
Android (android.graphics.Color)	4292870343 (0xFFE000C7)
YUV	89.6620, 53.9036, 117.8144
Hunter-Lab	44.6887, 85.7579, -42.6488

Details

The XYZ color **41.0493, 19.9708, 55.7240** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **26.8323, 53.3825, 9.8115**, and the grayscale version is **9.5201, 10.0159, 10.9073**.

A 20% lighter version of the original color is **63.5647, 37.0294, 98.4049**, and **20.3439, 9.9061, 27.2254** is the 20% darker color. If you saturate the color by 10%, you get **41.0492, 19.9708, 55.7218**, and if you desaturate by 10%, it is **41.6378, 20.6788, 57.3646**.

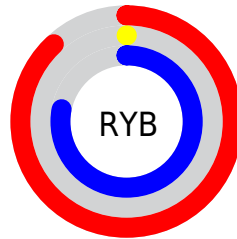
Distribution



Red (88%)

Green (0%)

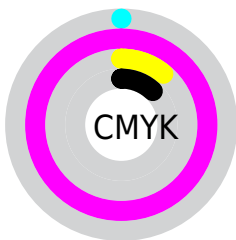
Blue (78%)



Red (88%)

Yellow (0%)

Blue (78%)

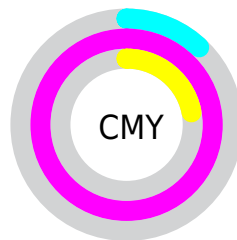


Cyan (0%)

Magenta (100%)

Yellow (11%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.0493, 19.9708, 55.7240 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 41.0493, 19.9708, 55.7240 by changing the saturation by 10% instead.

 41.0493, 19.9708,
55.7240

 41.0493, 19.9708,
55.7240

341.5857,
251.7570, 426.0096

 28.5454, 12.3738,
39.5792


 76.0330, 43.3682,
100.0827


 18.8798, 6.9988,
26.8993


 99.2435, 59.9375,
129.1336


 11.6869, 3.4614,
17.2658


 126.7536, 80.2662,
163.3237

 6.6016, 1.3771,
10.2602


 158.9287,
104.7389, 203.0714

 3.2583, 0.1997,
5.4640

 196.1341,
133.7400, 248.7953

 1.2918, 0.0000,
2.4585

 238.7351,

 0.1771, 0.0000,

167.6537, 300.9139

0.8181

287.0972,
206.8646, 359.8458

■ 0.0000, 0.0000,
0.0000

■ 41.0493, 19.9708,
55.7240

■ 41.0493, 19.9708,
55.7240

■ 41.0492, 19.9708,
55.7218

■ 41.6378, 20.6788,
57.3646

■ 42.5722, 22.0715,
59.1440

■ 43.9637, 24.3707,
61.0995

■ 45.8753, 27.7023,
63.2522

■ 48.3601, 32.1724,
65.6200

■ 51.4645, 37.8740,
68.2184

■ 55.2302, 44.8903,
71.0615

■ 59.6953, 53.2976,
74.1619

■ 64.8949, 63.1660,
77.5316

Harmonies

Analogous

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



31.2039, 19.9708, 104.1322



41.0493, 19.9708, 55.7240



44.4143, 19.9708, 18.7980

Triad

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



41.0493, 19.9708, 55.7240



17.9227, 19.9708, 0.0000



7.2568, 19.9708, 66.3628

Complementary

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



41.0493, 19.9708, 55.7240



26.8323, 53.3825, 9.8115

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.



5.7709, 19.9708, 24.9845



41.0493, 19.9708, 55.7240



10.4579, 19.9708, 0.6414

Square

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



41.0493, 19.9708, 55.7240



28.6718, 19.9708, 0.2541



6.7030, 19.9708, 5.4775



11.7652, 19.9708, 113.1629

Rectangle

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



41.0493, 19.9708, 55.7240



41.8326, 19.9708, 6.6986



6.7030, 19.9708, 5.4775



6.4731, 19.9708, 50.5402

Sweetspot

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



41.0500, 19.9718, 55.7244



73.9654, 59.9823, 95.2391



13.7956, 5.5582, 70.8675



15.3505, 11.9394, 20.0303



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.



41.0500, 19.9718, 55.7244



55.0410, 26.7804, 74.6050



32.5706, 16.5800, 11.0724



14.2257, 13.9079, 16.9585



23.9201, 11.6351, 32.5749



1.6771, 0.8141, 2.3582

Inverse Universe

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



41.0500, 19.9718, 55.7244



55.0410, 26.7804, 74.6050



30.9885, 55.0450, 31.6979



14.2257, 13.9079, 16.9585



23.9201, 11.6351, 32.5749



1.6771, 0.8141, 2.3582

Previews

White Background



This preview shows how the XYZ color 41.0493, 19.9708, 55.7240 looks on a white background.

Color Contrast Check

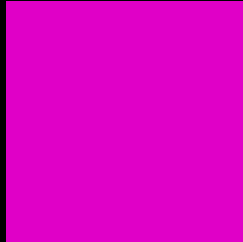
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.0493, 19.9708, 55.7240 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 41.0493, 19.9708, 55.7240

Background



This preview shows how black text looks on a background with the XYZ color 41.0493, 19.9708, 55.7240.



This preview shows how white text looks on a background with the XYZ color 41.0493, 19.9708,

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

41.0493, 19.9708, 55.7240

Protanopia

25.1011, 21.0049, 97.3391

Deuteranopia

21.1071, 20.5445, 49.8667



Tritanopia

31.7263, 20.2194, 10.4142

Trichromacy



Original Color

41.0493, 19.9708, 55.7240



Protanomaly

22.0629, 13.5812, 80.0559



Deuteranomaly

23.5276, 15.1932, 50.9828



Tritanomaly

33.4575, 18.5136, 21.2121

Monochromacy



Original Color

41.0493, 19.9708, 55.7240



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.1399, 10.0269, 22.2038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0493, 19.9708, 55.7240 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, 0, 199)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 199)  
}
```

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, 0, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 199) }
```

Border

The CSS property to change the border of an element to XYZ 41.0493, 19.9708, 55.7240 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, 0, 199) }
```


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

```
.border{ border-color:rgb(224, 0, 199) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 199);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0493, 19.9708, 55.7240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 199) }
```

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

```
.background{ background-color: rgb(224, 0,  
199) }
```

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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