

Converting Colors

XYZ(39.7702, 23.9811, 56.5300)

Have a look what the booklet for
XYZ(39.7702, 23.9811, 56.5300)
contains.

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Color

**XYZ(39.7736, 24.0195,
56.5728)**

Conversions

Conversions Part 1

Format	Color
Hex	D154C7
RGB	209, 84, 199
RGB Percent	82%, 33%, 78%
CMY	0.1804, 0.6706, 0.2196
CMYK	0.00, 0.60, 0.05, 0.18
HSL	305°, 58%, 57%
HSV	305°, 60%, 82%
XYZ	39.7736, 24.0195, 56.5728
YIQ	134.4850, 37.5850, 62.2650

Conversions

Conversions Part 2

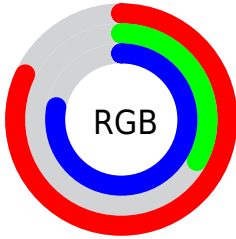
Format	Color
R _Y B	209, 84, 199
Decimal	13718727
CIE Lab	56.11, 63.18, -36.46
CIE LCh	56, 72.945, 330.010
Yxy	24.0195, 0.3304, 0.1996
Android (android.graphics.Color)	4291908807 (0xFFD154C7)
YUV	134.4850, 31.8059, 65.3497
Hunter-Lab	49.0097, 59.0939, -34.1328

Details

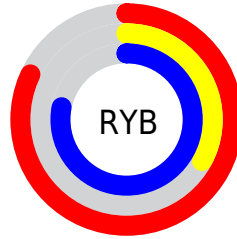
The XYZ color **39.7736, 24.0195, 56.5728** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **28.4781, 48.2948, 18.4121**, and the grayscale version is **22.7163, 23.8993, 26.0264**.

A 20% lighter version of the original color is **68.6681, 47.2362, 100.1060**, and **18.0738, 9.0245, 27.5774** is the 20% darker color. If you saturate the color by 10%, you get **38.1939, 21.1685, 55.0937**, and if you desaturate by 10%, it is **41.8410, 27.8412, 58.2253**.

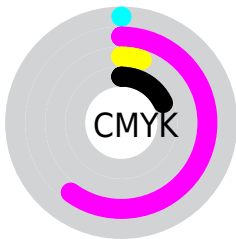
Distribution



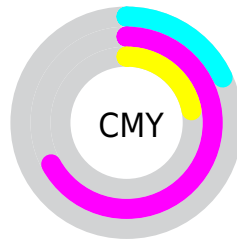
- Red (82%)
- Green (33%)
- Blue (78%)



- Red (82%)
- Yellow (33%)
- Blue (78%)



- Cyan (0%)
- Magenta (60%)
- Yellow (5%)
- Black (18%)



- Cyan (18%)
- Magenta (67%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7736, 24.0195, 56.5728 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 39.7736, 24.0195, 56.5728 by changing the saturation by 10% instead.

39.7736, 24.0195,
56.5728

39.7736, 24.0195,
56.5728

336.3192,
272.9191, 429.2954

27.5455, 15.3481,
40.2553

74.1052, 50.0620,
101.3357

18.1220, 9.0640,
27.4223

96.9393, 68.2019,
130.6182

11.1379, 4.7830,
17.6554

124.0396, 90.2668,
165.0594

6.2276, 2.1205,
10.5360

155.7712,
116.6410, 205.0779

3.0259, 0.6761,
5.6455

192.4997,
147.7089, 251.0922

1.1675, 0.0000,
2.5655

234.5903,

0.0805, 0.0000,

183.8549, 303.5209

0.8746

282.4083,
225.4635, 362.7824

■ 0.0000, 0.0000,
0.0000

■ 39.7736, 24.0195,
56.5728

■ 39.7736, 24.0195,
56.5728

■ 38.1939, 21.1685,
55.0937

■ 41.8410, 27.8412,
58.2253

■ 37.0548, 19.1959,
53.7719

■ 44.4325, 32.7083,
60.0629

■ 36.3044, 17.9974,
52.5900

■ 47.5840, 38.6922,
62.0978

■ 35.8482, 17.3839,
51.5166

■ 51.3277, 45.8568,
64.3407

■ 35.8402, 17.3736,
51.4962

■ 55.6932, 54.2615,
66.8015

■ 60.7079, 63.9614,
69.4894

■ 66.3981, 75.0084,
72.4132

■ 72.7880, 87.4518,
75.5810

■ 74.1987, 89.9330,
77.0998

Harmonies

Analogous

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



31.8499, 24.0195, 89.7017



39.7736, 24.0195, 56.5728



42.9718, 24.0195, 26.1454

Triad

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



39.7736, 24.0195, 56.5728



22.8271, 24.0195, 1.8458



11.5477, 24.0195, 56.5951

Complementary

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



39.7736, 24.0195, 56.5728



28.4781, 48.2948, 18.4121

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.



10.2330, 24.0195, 26.1609



39.7736, 24.0195, 56.5728



15.6971, 24.0195, 3.1131

Square

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



39.7736, 24.0195, 56.5728



31.8441, 24.0195, 3.1113



11.5460, 24.0195, 9.2311



15.7008, 24.0195, 89.7193

Rectangle

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



39.7736, 24.0195, 56.5728



41.5095, 24.0195, 13.3518



11.5460, 24.0195, 9.2311



10.8119, 24.0195, 45.2797

Sweetspot

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



39.7744, 24.0206, 56.5733



81.5293, 73.8957, 101.5041



19.1271, 13.2379, 61.8693



17.0497, 15.0469, 21.4936



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.



39.7744, 24.0206, 56.5733



59.2932, 32.1273, 85.7565



34.0654, 21.7370, 26.5098



12.2683, 11.9921, 14.6886



22.1149, 10.7188, 31.8411



1.2489, 0.6043, 1.8455

Inverse Universe

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



39.7744, 24.0206, 56.5733



59.2932, 32.1273, 85.7565



32.3601, 49.8476, 38.8544



12.2683, 11.9921, 14.6886



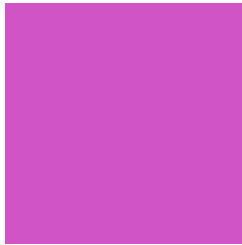
22.1149, 10.7188, 31.8411



1.2489, 0.6043, 1.8455

Previews

White Background



This preview shows how the XYZ color 39.7736, 24.0195, 56.5728 looks on a white background.

Color Contrast Check

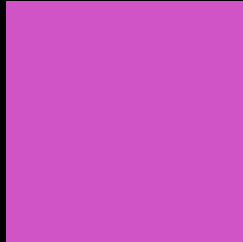
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.7736, 24.0195, 56.5728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

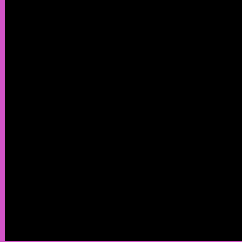
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.7736, 24.0195, 56.5728

Background



This preview shows how black text looks on a background with the XYZ color 39.7736, 24.0195, 56.5728.



This preview shows how white text looks on a background with the XYZ color 39.7736, 24.0195,

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

39.7736, 24.0195, 56.5728

Protanopia

27.5006, 24.4087, 85.7000

Deuteranopia

24.9993, 24.4566, 52.6932



Tritanopia

32.1716, 24.0326, 19.1628

Trichromacy



Original Color

39.7736, 24.0195, 56.5728



Protanomaly

28.6612, 22.1380, 73.9966



Deuteranomaly

28.3774, 22.7754, 53.9394



Tritanomaly

34.2787, 23.6955, 29.9611

Monochromacy



Original Color

39.7736, 24.0195, 56.5728



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

27.1149, 22.5365, 35.2686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7736, 24.0195, 56.5728 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(209, 84, 199)` looks like.

```
.text, #text, p{  
    color:rgb(209, 84, 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(209, 84, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 84, 199) }
```

Border

The CSS property to change the border of an element to XYZ 39.7736, 24.0195, 56.5728 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(209, 84, 199) }
```


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

```
.border{ border-color:rgb(209, 84, 199) }
```

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

Here you see how a box with a 4 pixel rgb(209, 84, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 84, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 84, 199);  
box-shadow:4px 4px 4px 4px rgb(209, 84,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7736, 24.0195, 56.5728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 84, 199) }
```

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

```
.background{ background-color: rgb(209, 84,  
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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