

Converting Colors

XYZ(47.7306, 40.0391, 72.2305)

Have a look what the booklet for
XYZ(47.7306, 40.0391, 72.2305)
contains.

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Color

**XYZ(47.7306, 40.0391,
72.2305)**

Conversions

Conversions Part 1

Format	Color
Hex	C799DB
RGB	199, 153, 219
RGB Percent	78%, 60%, 86%
CMY	0.2196, 0.4000, 0.1412
CMYK	0.09, 0.30, 0.00, 0.14
HSL	282°, 48%, 73%
HSV	282°, 30%, 86%
XYZ	47.7306, 40.0391, 72.2305
YIQ	174.2780, 6.2300, 30.2780

Conversions

Conversions Part 2

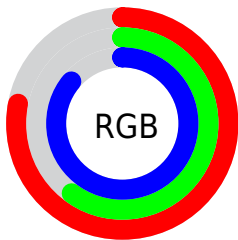
Format	Color
R_{YB}	199, 153, 219
Decimal	13081051
CIE _{Lab}	69.50, 28.90, -27.02
CIE _{LCh}	69, 39.565, 316.929
Yxy	40.0391, 0.2983, 0.2502
Android (android.graphics.Color)	4291271131 (0xFFC799DB)
YUV	174.2780, 22.0479, 21.6812
Hunter-Lab	63.2765, 23.9120, -23.3864

Details

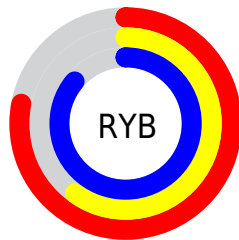
The XYZ color **47.7306, 40.0391, 72.2305** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.3163, 61.8482, 39.5303**, and the grayscale version is **40.2641, 42.3609, 46.1311**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **22.8561, 17.9170, 37.3756** is the 20% darker color. If you saturate the color by 10%, you get **42.7474, 32.6294, 71.0635**, and if you desaturate by 10%, it is **53.4510, 48.8074, 73.6221**.

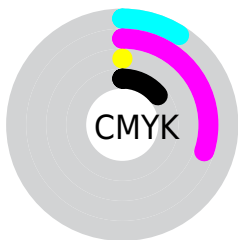
Distribution



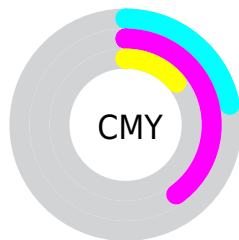
- Red (78%)
- Green (60%)
- Blue (86%)



- Red (78%)
- Yellow (60%)
- Blue (86%)



- Cyan (9%)
- Magenta (30%)
- Yellow (0%)
- Black (14%)





- Cyan (22%)
- Magenta (40%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7306, 40.0391, 72.2305 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 47.7306, 40.0391, 72.2305 by changing the saturation by 10% instead.


 47.7306, 40.0391,
72.2305


 47.7306, 40.0391,
72.2305


368.3237,
346.2883, 487.3426

 33.8240, 27.5690,
52.8590


 86.0153, 75.2230,
124.0950

 22.9206, 18.0010,
37.3033

 111.1240, 98.7057,
157.4250

 14.6553, 10.9507,
25.1448


140.6975,
126.6280, 196.2450

 8.6626, 6.0337,
15.9649

175.1011,
159.3744, 240.9734

 4.5771, 2.8656,
9.3453

214.7002,
197.3293, 292.0288

 2.0335, 1.0620,
4.8672

259.8601,

 0.6527, 0.0000,

240.8769, 349.8298

2.1122

310.9461,
290.4018, 414.7949

■ 0.0000, 0.0000,
0.6230

■ 0.0000, 0.0000,
0.0000

■ 47.7306, 40.0391,
72.2305

■ 47.7306, 40.0391,
72.2305

■ 42.7474, 32.6294,
71.0635

■ 53.4510, 48.8074,
73.6221

■ 38.4606, 26.5006,
70.1065

■ 59.9389, 58.9963,
75.2468

■ 34.8309, 21.5750,
69.3471

■ 67.2276, 70.6699,
77.1159

■ 31.8133, 17.7640,
68.7705

■ 75.3471, 83.8872,
79.2391

■ 29.3566, 14.9666,
68.3601

■ 81.8848, 93.8212,
80.8120

■ 27.4000, 13.0629,
68.0957

■ 84.0824, 94.9541,
80.9148

■ 25.8545, 11.8514,
67.9433

■ 86.3622, 96.1293,
81.0215

■ 88.7251, 97.3475,
81.1321

■ 89.7863, 97.8945,
81.1818

Harmonies

Analogous

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



41.7379, 40.0391, 86.5393



47.7306, 40.0391, 72.2305



51.2878, 40.0391, 52.0262

Triad

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



47.7306, 40.0391, 72.2305



40.8958, 40.0391, 17.5625



27.4931, 40.0391, 54.6374

Complementary

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



47.7306, 40.0391, 72.2305



48.3163, 61.8482, 39.5303

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.



27.3214, 40.0391, 36.1291



47.7306, 40.0391, 72.2305



34.5972, 40.0391, 17.8983

Square

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



47.7306, 40.0391, 72.2305



47.0551, 40.0391, 22.6515



29.7858, 40.0391, 23.7489



30.2842, 40.0391, 74.5960

Rectangle

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



47.7306, 40.0391, 72.2305



51.5665, 40.0391, 39.4964



29.7858, 40.0391, 23.7489



27.1390, 40.0391, 47.9695

Sweetspot

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



47.7319, 40.0408, 72.2314



85.6482, 84.9261, 106.4860



41.0414, 42.1220, 72.9857



18.0259, 17.6913, 22.7146



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.



47.7319, 40.0408, 72.2314



62.9185, 49.8459, 100.9128



51.8561, 42.3443, 64.4086



13.2103, 13.0665, 16.4780



15.4463, 7.0870, 40.2922



1.0865, 0.5034, 2.6143

Inverse Universe

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



48.1489, 40.8614, 44.8864



63.7788, 51.2879, 55.8390



45.2705, 60.1567, 44.8723



13.2177, 13.1162, 14.4074



17.9544, 9.1828, 4.1399



1.2009, 0.6100, 0.4667

Previews

White Background



This preview shows how the XYZ color 47.7306, 40.0391, 72.2305 looks on a white background.

Color Contrast Check

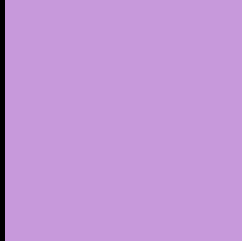
Large Text (above 18pt) WCAG AA × Fail

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 47.7306, 40.0391, 72.2305 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 ✓ Pass

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

XYZ 47.7306, 40.0391, 72.2305

Background



This preview shows how black text looks on a background with the XYZ color 47.7306, 40.0391, 72.2305.



This preview shows how white text looks on a background with the XYZ color 47.7306, 40.0391,

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

47.7306, 40.0391, 72.2305

Protanopia

41.2345, 40.3938, 80.4864

Deuteranopia

41.1137, 40.2767, 70.5730



Tritanopia

42.2985, 40.1031, 45.5557

Trichromacy



Original Color

47.7306, 40.0391, 72.2305

Protanomaly

43.1868, 40.1204, 77.4193

Deuteranomaly

43.1239, 39.9644, 71.0867

Tritanomaly

44.1981, 40.1161, 54.1289

Monochromacy



Original Color

47.7306, 40.0391, 72.2305

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.4589, 41.0574, 54.4022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7306, 40.0391, 72.2305 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(199, 153, 219)` looks like.

```
.text, #text, p{  
    color:rgb(199, 153, 219)  
}
```

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(199, 153, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 153, 219) }
```

Border

The CSS property to change the border of an element to XYZ 47.7306, 40.0391, 72.2305 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(199, 153, 219) }
```


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

```
.border{ border-color:rgb(199, 153, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 153, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 153, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 153, 219);  
box-shadow:4px 4px 4px 4px rgb(199, 153,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7306, 40.0391, 72.2305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 153, 219) }
```

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

```
.background{ background-color: rgb(199,  
153, 219) }
```

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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