

Converting Colors

XYZ(40.1041, 30.3009, 71.1057)

Have a look what the booklet for
XYZ(40.1041, 30.3009, 71.1057)
contains.

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Color

**XYZ(40.1463, 30.2794,
71.4387)**

Conversions

Conversions Part 1

Format	Color
Hex	B87EDC
RGB	184, 126, 220
RGB Percent	72%, 49%, 86%
CMY	0.2784, 0.5059, 0.1373
CMYK	0.16, 0.43, 0.00, 0.14
HSL	277°, 57%, 68%
HSV	277°, 43%, 86%
XYZ	40.1463, 30.2794, 71.4387
YIQ	154.0580, 4.3940, 41.5300

Conversions

Conversions Part 2

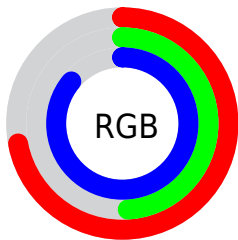
Format	Color
RYB	184, 126, 220
Decimal	12091100
CIELab	61.89, 39.40, -39.49
CIElCh	62, 55.781, 314.935
Yxy	30.2794, 0.2830, 0.2134
Android (android.graphics.Color)	4290281180 (0xFFB87EDC)
YUV	154.0580, 32.5094, 26.2591
Hunter-Lab	55.0267, 33.9330, -38.4548

Details

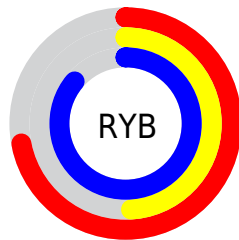
The XYZ color **40.1463, 30.2794, 71.4387** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **44.2603, 60.3748, 29.0607**, and the grayscale version is **30.6021, 32.1958, 35.0612**.

A 20% lighter version of the original color is **70.6469, 58.5633, 102.1881**, and **18.3609, 12.4159, 37.0261** is the 20% darker color. If you saturate the color by 10%, you get **35.6780, 24.2496, 70.5108**, and if you desaturate by 10%, it is **45.3556, 37.6108, 72.5797**.

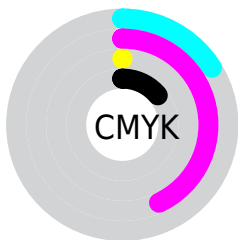
Distribution



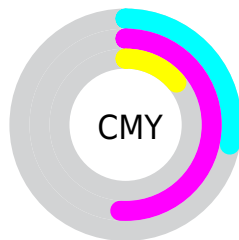
- Red (72%)
- Green (49%)
- Blue (86%)



- Red (72%)
- Yellow (49%)
- Blue (86%)



- Cyan (16%)
- Magenta (43%)
- Yellow (0%)
- Black (14%)



- Cyan (28%)
- Magenta (51%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1463, 30.2794, 71.4387 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 40.1463, 30.2794, 71.4387 by changing the saturation by 10% instead.

40.1463, 30.2794,
71.4387

40.1463, 30.2794,
71.4387

337.8637,
303.2046, 484.5105

27.8374, 20.0508,
52.2163

74.6692, 60.1038,
122.9585

18.3429, 12.4319,
36.7940

97.6138, 80.4683,
156.0929

11.2976, 7.0386,
24.7535

124.8344,
104.9802, 194.7016

6.3362, 3.4862,
15.6762

156.6962,
134.0239, 239.2034

3.0931, 1.3905,
9.1434

193.5647,
167.9838, 290.0166

1.2032, 0.2097,
4.7368

235.8052,

0.1089, 0.0000,

207.2443, 347.5598

2.0376

283.7831,
252.1898, 412.2516

■ 0.0000, 0.0000,
0.5783

■ 0.0000, 0.0000,
0.0000

■ 40.1463, 30.2794,
71.4387

■ 40.1463, 30.2794,
71.4387

■ 35.6780, 24.2496,
70.5108

■ 45.3556, 37.6108,
72.5797

■ 31.9042, 19.4345,
69.7803

■ 51.3418, 46.3154,
73.9444

■ 28.7781, 15.7424,
69.2324

■ 58.1423, 56.4644,
75.5449

■ 26.2446, 13.0663,
68.8494

■ 65.7910, 68.1224,
77.3920

■ 24.2375, 11.2777,
68.6100

■ 74.3197, 81.3504,
79.4957

■ 23.0305, 10.3803,
68.5004

■ 82.7926, 94.2739,
81.5437

■ 85.6338, 95.7386,
81.6766

■ 88.6085, 97.2721,
81.8158

■ 89.9184, 97.9473,
81.8771

Harmonies

Analogous

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



32.6370, 30.2794, 90.7216



40.1463, 30.2794, 71.4387



44.9717, 30.2794, 44.8405

Triad

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



40.1463, 30.2794, 71.4387



32.6712, 30.2794, 7.0834



17.0259, 30.2794, 44.7303

Complementary

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



40.1463, 30.2794, 71.4387



44.2603, 60.3748, 29.0607

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.



17.0318, 30.2794, 23.4030



40.1463, 30.2794, 71.4387



25.2389, 30.2794, 7.0748

Square

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



40.1463, 30.2794, 71.4387



40.1750, 30.2794, 11.6334



19.7907, 30.2794, 11.6006



19.7728, 30.2794, 71.3286

Rectangle

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



40.1463, 30.2794, 71.4387



45.5665, 30.2794, 29.5598



19.7907, 30.2794, 11.6006



16.7237, 30.2794, 36.6309

Sweetspot

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



40.1474, 30.2806, 71.4394



80.8540, 78.3141, 105.4624



34.4498, 35.4566, 72.7387



16.8340, 16.0524, 22.4611



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.



40.1474, 30.2806, 71.4394



50.6077, 34.8813, 98.6732



48.4896, 34.7436, 64.4944



13.1063, 13.0129, 16.4731



13.6440, 6.1579, 40.2079



0.9789, 0.4479, 2.6093

Inverse Universe

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



43.4985, 32.7472, 38.2117



56.2812, 39.0001, 44.9933



38.7113, 57.4280, 32.7001



13.2614, 13.1336, 14.6376



18.3176, 9.3281, 6.0526



1.2280, 0.6208, 0.6095

Previews

White Background



This preview shows how the XYZ color 40.1463, 30.2794, 71.4387 looks on a white background.

Color Contrast Check

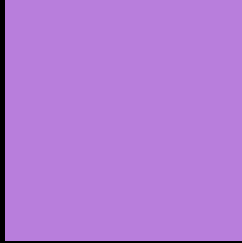
Large Text (above 18pt) WCAG AA × Fail

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 40.1463, 30.2794, 71.4387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

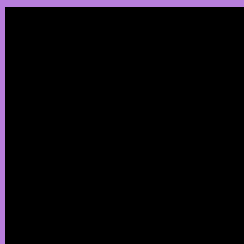
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1463, 30.2794, 71.4387

Background



This preview shows how black text looks on a background with the XYZ color 40.1463, 30.2794, 71.4387.



This preview shows how white text looks on a background with the XYZ color 40.1463, 30.2794,

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

40.1463, 30.2794, 71.4387

Protanopia

32.9366, 30.6853, 85.0758

Deuteranopia

31.2968, 30.4228, 69.1884



Tritanopia

32.4260, 30.2010, 33.8261

Trichromacy



Original Color

40.1463, 30.2794, 71.4387



Protanomaly

34.4716, 29.8102, 79.5384



Deuteranomaly

33.7565, 29.8769, 69.6333



Tritanomaly

34.8714, 30.1298, 45.5727

Monochromacy



Original Color

40.1463, 30.2794, 71.4387



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

33.5262, 31.1602, 46.3670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1463, 30.2794, 71.4387 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(184, 126, 220)` looks like.

```
.text, #text, p{  
    color:rgb(184, 126, 220)  
}
```

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(184, 126, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 126, 220) }
```

Border

The CSS property to change the border of an element to XYZ 40.1463, 30.2794, 71.4387 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(184, 126, 220) }
```


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

```
.border{ border-color:rgb(184, 126, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 126, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 126, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 126, 220);  
box-shadow:4px 4px 4px 4px rgb(184, 126,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1463, 30.2794, 71.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 126, 220) }
```

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

```
.background{ background-color: rgb(184,  
126, 220) }
```

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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