

Converting Colors

XYZ(47.6138, 40.9365, 73.7986)

Have a look what the booklet for
XYZ(47.6138, 40.9365, 73.7986)
contains.

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Color

**XYZ(47.6138, 40.9365,
73.7986)**

Conversions

Conversions Part 1

Format	Color
Hex	C39DDD
RGB	195, 157, 221
RGB Percent	76%, 62%, 87%
CMY	0.2353, 0.3843, 0.1333
CMYK	0.12, 0.29, 0.00, 0.13
HSL	276°, 48%, 74%
HSV	276°, 29%, 87%
XYZ	47.6138, 40.9365, 73.7986
YIQ	175.6580, 2.1040, 27.9600

Conversions

Conversions Part 2

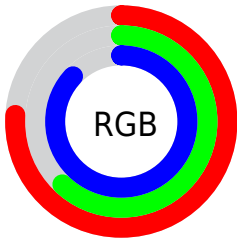
Format	Color
R _Y B	195, 157, 221
Decimal	12819933
CIE Lab	70.13, 25.85, -27.18
CIE LCh	70, 37.506, 313.559
Yxy	40.9365, 0.2933, 0.2522
Android (android.graphics.Color)	4291010013 (0xFFC39DDD)
YUV	175.6580, 22.3536, 16.9629
Hunter-Lab	63.9816, 20.8681, -23.6000

Details

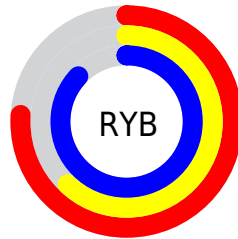
The XYZ color **47.6138, 40.9365, 73.7986** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.4720, 64.2155, 41.5821**, and the grayscale version is **40.9767, 43.1106, 46.9475**.

A 20% lighter version of the original color is **81.7384, 75.0024, 104.7766**, and **22.9190, 18.5190, 38.4430** is the 20% darker color. If you saturate the color by 10%, you get **41.9573, 32.9638, 72.5585**, and if you desaturate by 10%, it is **54.0887, 50.3371, 75.2725**.

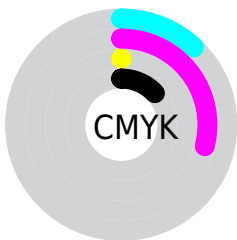
Distribution



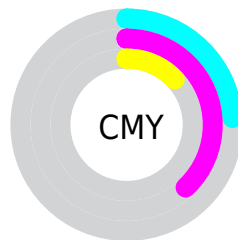
- Red (76%)
- Green (62%)
- Blue (87%)



- Red (76%)
- Yellow (62%)
- Blue (87%)



- Cyan (12%)
- Magenta (29%)
- Yellow (0%)
- Black (13%)




- Cyan (24%)
- Magenta (38%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6138, 40.9365, 73.7986 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 47.6138, 40.9365, 73.7986 by changing the saturation by 10% instead.


 47.6138, 40.9365,
73.7986


 47.6138, 40.9365,
73.7986


367.8674,
350.0551, 492.9228

 33.7311, 28.2695,
54.1334


 85.8423, 76.5875,
126.3417

 22.8490, 18.5289,
38.3144


 110.9188,
100.3402, 160.0567

 14.6022, 11.3304,
25.9231


140.4574,
128.5570, 199.2920

 8.6251, 6.2895,
16.5409

174.8232,
161.6222, 244.4662

 4.5526, 3.0219,
9.7492

214.3818,
199.9202, 295.9978

 2.0193, 1.1432,
5.1296

259.4985,

 0.6448, 0.0145,

243.8355, 354.3055

2.2634

310.5385,
293.7523, 419.8076

■ 0.0000, 0.0000,
0.7106

■ 0.0000, 0.0000,
0.0000

■ 47.6138, 40.9365,
73.7986

■ 47.6138, 40.9365,
73.7986

■ 41.9573, 32.9638,
72.5585

■ 54.0887, 50.3371,
75.2725

■ 37.0764, 26.3395,
71.5371

■ 61.4141, 61.2290,
76.9887

■ 32.9299, 20.9844,
70.7220

■ 69.6252, 73.6783,
78.9589

■ 29.4708, 16.8082,
70.0983

■ 78.7537, 87.7451,
81.1930

■ 26.6461, 13.7086,
69.6489

■ 84.7102, 95.2471,
82.3270

■ 24.3934, 11.5649,
69.3538

■ 87.8323, 96.8566,
82.4732

■ 22.6162, 10.1885,
69.1818

■ 90.0513, 98.0005,
82.5770

■ 22.4452, 10.0633,
69.1666

Harmonies

Analogous

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



41.7396, 40.9365, 86.1239



47.6138, 40.9365, 73.7986



51.3502, 40.9365, 54.8307

Triad

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



47.6138, 40.9365, 73.7986



42.3427, 40.9365, 19.3944



28.5343, 40.9365, 52.9688

Complementary

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



47.6138, 40.9365, 73.7986



51.4720, 64.2155, 41.5821

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.



28.6593, 40.9365, 35.6815



47.6138, 40.9365, 73.7986



36.2092, 40.9365, 19.1431

Square

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



47.6138, 40.9365, 73.7986



48.0952, 40.9365, 25.1158



31.3354, 40.9365, 24.3054



30.9739, 40.9365, 72.1306

Rectangle

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



47.6138, 40.9365, 73.7986



51.9050, 40.9365, 42.5090



31.3354, 40.9365, 24.3054



28.2863, 40.9365, 46.7025

Sweetspot

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



47.6151, 40.9382, 73.7995



84.8133, 84.4958, 106.4469



44.0286, 46.5328, 75.0684



17.8198, 17.5851, 22.7050



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.



47.6151, 40.9382, 73.7995



60.7766, 49.4217, 100.9438



54.2285, 44.4283, 70.4582



13.0762, 12.9974, 16.4717



13.1700, 5.9136, 40.1857



0.9499, 0.4329, 2.6079

Inverse Universe

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



50.4243, 42.9067, 50.4255



65.4924, 52.7063, 62.6036



46.3137, 61.5025, 43.7700



13.2742, 13.1388, 14.7051



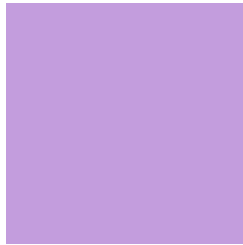
18.4417, 9.3777, 6.7062



1.2368, 0.6243, 0.6557

Previews

White Background



This preview shows how the XYZ color 47.6138, 40.9365, 73.7986 looks on a white background.

Color Contrast Check

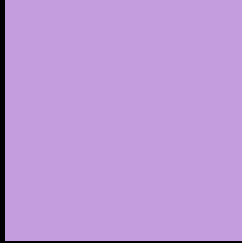
Large Text (above 18pt) WCAG AA × Fail

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 47.6138, 40.9365, 73.7986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

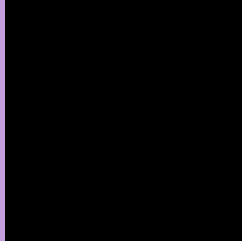
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6138, 40.9365, 73.7986

Background



This preview shows how black text looks on a background with the XYZ color 47.6138, 40.9365, 73.7986.



This preview shows how white text looks on a background with the XYZ color 47.6138, 40.9365,

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

47.6138, 40.9365, 73.7986

Protanopia

41.7973, 40.9591, 80.5659

Deuteranopia

42.0987, 41.0122, 72.7152



Tritanopia

42.2301, 40.8160, 47.7720

Trichromacy



Original Color

47.6138, 40.9365, 73.7986

Protanomaly

43.6824, 40.8913, 78.2635

Deuteranomaly

43.8729, 40.8322, 73.2792

Tritanomaly

44.1438, 40.8121, 56.5898

Monochromacy



Original Color

47.6138, 40.9365, 73.7986

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.2308, 42.2490, 55.7455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6138, 40.9365, 73.7986 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(195, 157, 221)` looks like.

```
.text, #text, p{  
    color:rgb(195, 157, 221)  
}
```

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(195, 157, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 157, 221) }
```

Border

The CSS property to change the border of an element to XYZ 47.6138, 40.9365, 73.7986 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(195, 157, 221) }
```


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

```
.border{ border-color:rgb(195, 157, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 157, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 157, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 157, 221); box-shadow:4px 4px 4px 4px rgb(195, 157, 221) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6138, 40.9365, 73.7986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 157, 221) }
```

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

```
.background{ background-color: rgb(195,  
157, 221) }
```

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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