

Converting Colors

XYZ(50.9421, 40.2526, 73.1356)

Have a look what the booklet for
XYZ(50.9421, 40.2526, 73.1356)
contains.

XYZ(50.7926, 40.1809, 72.7888)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.7926, 40.1809,
72.7888)**

Conversions

Conversions Part 1

Format	Color
Hex	D593DC
RGB	213, 147, 220
RGB Percent	84%, 58%, 86%
CMY	0.1647, 0.4235, 0.1373
CMYK	0.03, 0.33, 0.00, 0.14
HSL	294°, 51%, 72%
HSV	294°, 33%, 86%
XYZ	50.7926, 40.1809, 72.7888
YIQ	175.0560, 15.9030, 36.6950

Conversions

Conversions Part 2

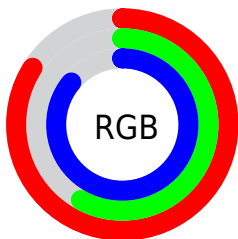
Format	Color
R _{YB}	213, 147, 220
Decimal	13997020
CIE Lab	69.60, 36.79, -27.29
CIE LCh	70, 45.810, 323.430
Yxy	40.1809, 0.3102, 0.2454
Android (android.graphics.Color)	4292187100 (0xFFD593DC)
YUV	175.0560, 22.1574, 33.2769
Hunter-Lab	63.3884, 32.1008, -23.7107

Details

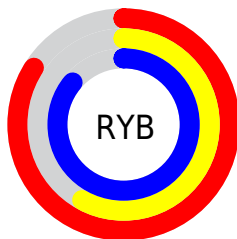
The XYZ color **50.7926, 40.1809, 72.7888** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.1874, 60.1640, 36.8896**, and the grayscale version is **40.6609, 42.7784, 46.5857**.

A 20% lighter version of the original color is **80.4105, 70.7211, 104.0202**, and **24.7884, 18.0691, 37.7785** is the 20% darker color. If you saturate the color by 10%, you get **47.0857, 33.6687, 71.7278**, and if you desaturate by 10%, it is **55.1642, 48.0090, 74.0700**.

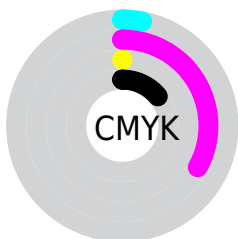
Distribution



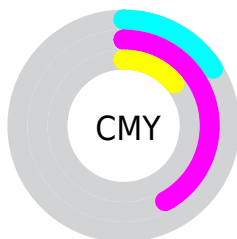
- Red (84%)
- Green (58%)
- Blue (86%)



- Red (84%)
- Yellow (58%)
- Blue (86%)



- Cyan (3%)
- Magenta (33%)
- Yellow (0%)
- Black (14%)





- Cyan (16%)
- Magenta (42%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7926, 40.1809, 72.7888 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 50.7926, 40.1809, 72.7888 by changing the saturation by 10% instead.


 50.7926, 40.1809,
72.7888


 50.7926, 40.1809,
72.7888


380.1584,
346.8854, 489.3336

 36.2639, 27.6796,
53.3125


 90.5329, 75.4389,
124.8955

 24.8092, 18.0843,
37.6629


 116.4753, 98.9644,
158.3629

 16.0629, 11.0105,
25.4213

146.9530,
126.9335, 197.3312

 9.6598, 6.0739,
16.1694

182.3314,
159.7304, 242.2188

 5.2345, 2.8901,
9.4884

222.9757,
197.7397, 293.4444

 2.4217, 1.0746,
4.9600

269.2515,

 0.8559, 0.0000,

241.3457, 351.4263

2.1655

321.5239,
290.9328, 416.5832

■ 0.0000, 0.0000,
0.6543

■ 0.0000, 0.0000,
0.0000

■ 50.7926, 40.1809,
72.7888

■ 50.7926, 40.1809,
72.7888

■ 47.0857, 33.6687,
71.7278

■ 55.1642, 48.0090,
74.0700

■ 44.0022, 28.3924,
70.8719


■ 60.2312, 57.2166,
75.5802


■ 41.5021, 24.2713,
70.2082


■ 66.0267, 67.8697,
77.3309


■ 39.5393, 21.2129,
69.7213


■ 72.5810, 80.0282,
79.3323


 38.0603, 19.1108,
69.3935


 79.2793, 92.4627,
81.3794


 37.0009, 17.8360,
69.2033

 79.9354, 92.8009,
81.4101

 36.4467, 17.2966,
69.1284

 80.5997, 93.1434,
81.4412

 81.2722, 93.4901,
81.4727

 81.9528, 93.8410,
81.5045

Harmonies

Analogous

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



44.1310, 40.1809, 92.7879



50.7926, 40.1809, 72.7888



54.1373, 40.1809, 48.5788

Triad

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



50.7926, 40.1809, 72.7888



39.8415, 40.1809, 14.4750



26.5689, 40.1809, 62.0314

Complementary

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



50.7926, 40.1809, 72.7888



44.1874, 60.1640, 36.8896

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.



25.7303, 40.1809, 39.2526



50.7926, 40.1809, 72.7888



32.8090, 40.1809, 16.0049

Square

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



50.7926, 40.1809, 72.7888



47.3086, 40.1809, 18.5095



27.8674, 40.1809, 23.6894



30.3268, 40.1809, 85.3043

Rectangle

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



50.7926, 40.1809, 72.7888



53.7652, 40.1809, 34.9536



27.8674, 40.1809, 23.6894



25.9582, 40.1809, 53.9111

Sweetspot

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



50.7939, 40.1826, 72.7897



86.5540, 84.3349, 106.3241



36.5578, 34.5826, 72.4591



18.2888, 17.6160, 22.6863



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.



50.7939, 40.1826, 72.7897



67.1742, 49.4545, 100.6129



49.3322, 39.8376, 54.2656



13.4849, 13.2081, 16.4908



21.4421, 10.1780, 40.5728



1.4256, 0.6782, 2.6302

Inverse Universe

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



45.7830, 38.4179, 35.5759



59.2224, 46.6789, 40.4357



45.4835, 60.5330, 50.4666



13.1065, 13.0717, 13.8221



17.4205, 8.9692, 1.3282



1.1463, 0.5882, 0.1795

Previews

White Background



This preview shows how the XYZ color 50.7926, 40.1809, 72.7888 looks on a white background.

Color Contrast Check

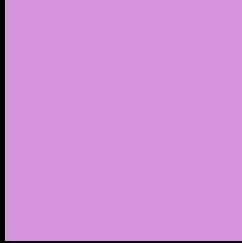
Large Text (above 18pt) WCAG AA × Fail

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 50.7926, 40.1809, 72.7888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

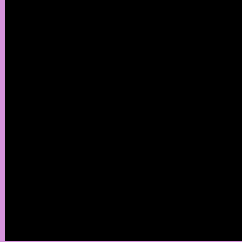
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7926, 40.1809, 72.7888

Background



This preview shows how black text looks on a background with the XYZ color 50.7926, 40.1809, 72.7888.



This preview shows how white text looks on a background with the XYZ color 50.7926, 40.1809,

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

50.7926, 40.1809, 72.7888

Protanopia

41.7206, 40.5454, 84.9840

Deuteranopia

41.3176, 40.3818, 70.5825



Tritanopia

44.6720, 40.1003, 42.9218

Trichromacy



Original Color

50.7926, 40.1809, 72.7888



Protanomaly

44.0873, 39.7390, 80.2097



Deuteranomaly

44.1512, 39.9751, 71.0346



Tritanomaly

46.7628, 39.9686, 52.8270

Monochromacy



Original Color

50.7926, 40.1809, 72.7888



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

43.8454, 41.4907, 54.9878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7926, 40.1809, 72.7888 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(213, 147, 220)` looks like.

```
.text, #text, p{  
    color:rgb(213, 147, 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(213, 147, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 147, 220) }
```

Border

The CSS property to change the border of an element to XYZ 50.7926, 40.1809, 72.7888 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(213, 147, 220) }
```


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

```
.border{ border-color:rgb(213, 147, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 147, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 147, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 147, 220);  
box-shadow:4px 4px 4px 4px rgb(213, 147,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7926, 40.1809, 72.7888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 147, 220) }
```

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

```
.background{ background-color: rgb(213,  
147, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor