

Converting Colors

XYZ(40.7371, 30.7684, 54.1651)

Have a look what the booklet for
XYZ(40.7371, 30.7684, 54.1651)
contains.

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Color

**XYZ(40.7787, 30.7968,
54.2472)**

Conversions

Conversions Part 1

Format	Color
Hex	C87DC1
RGB	200, 125, 193
RGB Percent	78%, 49%, 76%
CMY	0.2157, 0.5098, 0.2431
CMYK	0.00, 0.37, 0.04, 0.22
HSL	306°, 41%, 64%
HSV	306°, 37%, 78%
XYZ	40.7787, 30.7968, 54.2472
YIQ	155.1770, 22.8720, 37.0480

Conversions

Conversions Part 2

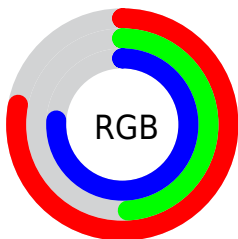
Format	Color
RYB	200, 125, 193
Decimal	13139393
CIELab	62.34, 39.46, -23.49
CIELCh	62, 45.919, 329.233
Yxy	30.7968, 0.3241, 0.2448
Android (android.graphics.Color)	4291329473 (0xFFC87DC1)
YUV	155.1770, 18.6467, 39.3098
Hunter-Lab	55.4949, 34.0492, -19.1106

Details

The XYZ color **40.7787, 30.7968, 54.2472** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.2779, 47.3356, 29.2143**, and the grayscale version is **31.1478, 32.7699, 35.6865**.

A 20% lighter version of the original color is **74.6154, 60.4023, 98.1686**, and **18.7860, 12.7814, 25.9030** is the 20% darker color. If you saturate the color by 10%, you get **38.2905, 26.1510, 52.3970**, and if you desaturate by 10%, it is **43.7813, 36.4659, 56.2825**.

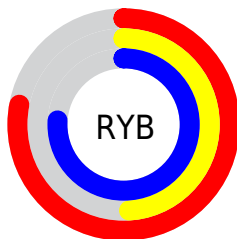
Distribution



Red (78%)

Green (49%)

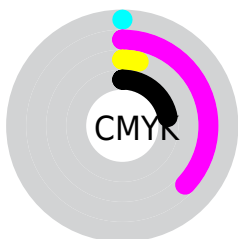
Blue (76%)



Red (78%)

Yellow (49%)

Blue (76%)

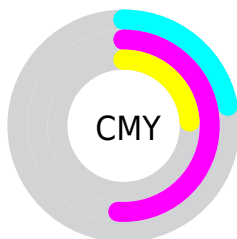


Cyan (0%)

Magenta (37%)

Yellow (4%)

Black (22%)



Cyan (22%)


Magenta (51%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7787, 30.7968, 54.2472 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 40.7787, 30.7968, 54.2472 by changing the saturation by 10% instead.


 40.7787, 30.7968,
54.2472

 40.7787, 30.7968,
54.2472

340.4733,
305.6011, 420.2532


 28.3331, 20.4442,
38.4048


 75.6247, 60.9200,
97.8972

 18.7187, 12.7183,
25.9928

 98.7558, 81.4594,
126.5418

 11.5700, 7.2349,
16.5925


 126.1794,
106.1631, 160.2910

 6.5217, 3.6094,
9.7855

158.2609,
135.4156, 199.5632

 3.2085, 1.4576,
5.1532

195.3657,
169.6013, 244.7770

 1.2649, 0.2586,
2.2771

237.8592,

 0.1567, 0.0000,

209.1045, 296.3509

0.7184

286.1065,
254.3096, 354.7034

■ 0.0000, 0.0000,
0.0000

■ 40.7787, 30.7968,
54.2472

■ 40.7787, 30.7968,
54.2472

■ 38.2905, 26.1510,
52.3970

■ 43.7813, 36.4659,
56.2825

■ 36.2829, 22.4629,
50.7196

■ 47.3234, 43.2106,
58.5103

■ 34.7229, 19.6656,
49.2043


■ 51.4323, 51.0845,
60.9401


■ 33.5717, 17.6820,
47.8381


■ 56.1325, 60.1366,
63.5801


■ 32.7843, 16.4217,
46.6059


■ 61.4468, 70.4129,
66.4380


 32.2969, 15.7573,
45.4865

 67.3971, 81.9569,
69.5211

 32.1944, 15.6294,
45.2149

 70.7288, 88.2592,
71.7446

 70.9571, 88.3505,
72.9469

 71.1881, 88.4429,
74.1634

Harmonies

Analogous

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



35.4996, 30.7968, 73.1085



40.7787, 30.7968, 54.2472



42.9100, 30.7968, 33.9921

Triad

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



40.7787, 30.7968, 54.2472



29.4315, 30.7968, 9.6424



20.0380, 30.7968, 53.1624

Complementary

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



40.7787, 30.7968, 54.2472



33.2779, 47.3356, 29.2143

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.



18.8805, 30.7968, 33.0770



40.7787, 30.7968, 54.2472



23.8180, 30.7968, 11.6659

Square

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



40.7787, 30.7968, 54.2472



35.8152, 30.7968, 11.8937



20.1624, 30.7968, 18.9033



23.5776, 30.7968, 72.3419

Rectangle

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



40.7787, 30.7968, 54.2472



42.0569, 30.7968, 23.4806



20.1624, 30.7968, 18.9033



19.3816, 30.7968, 46.1081

Sweetspot

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



40.7797, 30.7982, 54.2478



86.3267, 83.2233, 103.9267



27.1591, 23.6841, 57.7845



18.2662, 17.4082, 22.1201



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.



40.7797, 30.7982, 54.2478



67.0277, 46.6385, 91.2873



37.1762, 29.3568, 35.2720



11.0388, 10.7989, 13.1874



20.4878, 9.9447, 28.8426



0.9829, 0.4760, 1.4329

Inverse Universe

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



40.7797, 30.7982, 54.2478



67.0277, 46.6385, 91.2873



36.2509, 48.5248, 44.8701



11.0388, 10.7989, 13.1874



20.4878, 9.9447, 28.8426



0.9829, 0.4760, 1.4329

Previews

White Background



This preview shows how the XYZ color 40.7787, 30.7968, 54.2472 looks on a white background.

Color Contrast Check

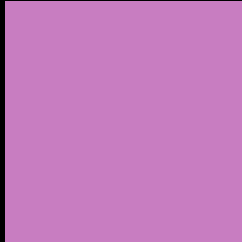
Large Text (above 18pt) WCAG AA × Fail

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 40.7787, 30.7968, 54.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

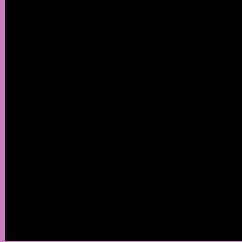
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7787, 30.7968, 54.2472

Background



This preview shows how black text looks on a background with the XYZ color 40.7787, 30.7968, 54.2472.

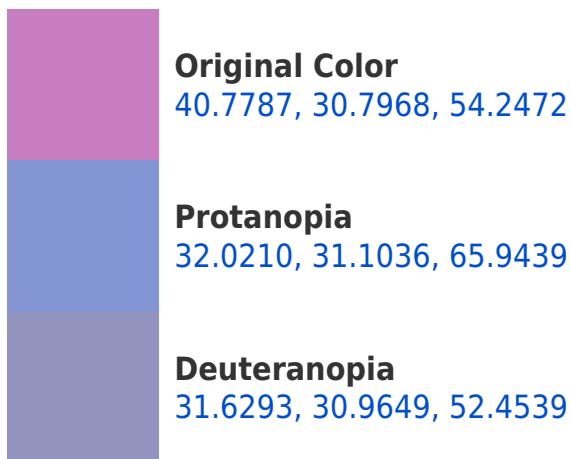


This preview shows how white text looks on a background with the XYZ color 40.7787, 30.7968,

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





Tritanopia

36.0229, 30.8416, 30.8425

Trichromacy



Original Color

40.7787, 30.7968, 54.2472



Protanomaly

34.1818, 30.2839, 61.1705



Deuteranomaly

34.3982, 30.5809, 52.8049



Tritanomaly

37.4028, 30.5770, 38.1130

Monochromacy



Original Color

40.7787, 30.7968, 54.2472



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

33.9293, 31.4690, 41.8220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7787, 30.7968, 54.2472 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(200, 125, 193)` looks like.

```
.text, #text, p{  
    color:rgb(200, 125, 193)  
}
```

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(200, 125, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 125, 193) }
```

Border

The CSS property to change the border of an element to XYZ 40.7787, 30.7968, 54.2472 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(200, 125, 193) }
```


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

```
.border{ border-color:rgb(200, 125, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 125, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 125, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 125, 193);  
box-shadow:4px 4px 4px 4px rgb(200, 125,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7787, 30.7968, 54.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 125, 193) }
```

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

```
.background{ background-color: rgb(200,  
125, 193) }
```

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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