

Converting Colors

XYZ(41.8696, 41.9220, 80.3813)

Have a look what the booklet for
XYZ(41.8696, 41.9220, 80.3813)
contains.

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Color

**XYZ(41.7980, 41.7975,
80.7277)**

Conversions

Conversions Part 1

Format	Color
Hex	97ACE6
RGB	151, 172, 230
RGB Percent	59%, 67%, 90%
CMY	0.4078, 0.3255, 0.0980
CMYK	0.34, 0.25, 0.00, 0.10
HSL	224°, 61%, 75%
HSV	224°, 34%, 90%
XYZ	41.7980, 41.7975, 80.7277
YIQ	172.3330, -31.1340, 13.5860

Conversions

Conversions Part 2

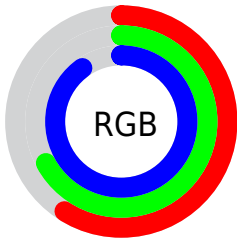
Format	Color
RYB	151, 168, 230
Decimal	9940198
CIELab	70.73, 6.39, -31.48
CIELCh	71, 32.121, 281.467
Yxy	41.7975, 0.2544, 0.2544
Android (android.graphics.Color)	4288130278 (0xFF97ACE6)
YUV	172.3330, 28.4298, -18.7090
Hunter-Lab	64.6510, 2.2642, -28.7779

Details

The XYZ color **41.7980, 41.7975, 80.7277** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.0207, 64.6596, 38.5442**, and the grayscale version is **39.2542, 41.2985, 44.9741**.

A 20% lighter version of the original color is **71.2512, 75.4236, 105.4106**, and **19.2862, 19.0303, 42.7011** is the 20% darker color. If you saturate the color by 10%, you get **34.9265, 33.7843, 79.5439**, and if you desaturate by 10%, it is **49.9133, 51.0599, 82.0885**.

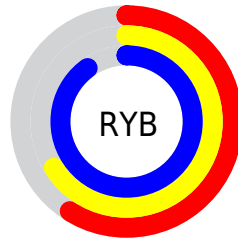
Distribution



Red (59%)

Green (67%)

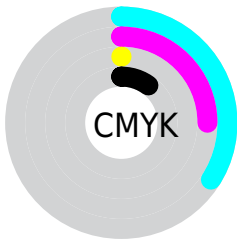
Blue (90%)



Red (59%)

Yellow (66%)

Blue (90%)

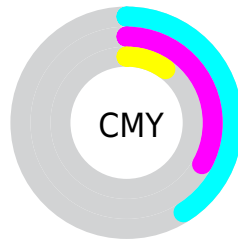


Cyan (34%)

Magenta (25%)

Yellow (0%)

Black (10%)



Cyan (41%)

Magenta (33%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7980, 41.7975, 80.7277 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 41.7980, 41.7975, 80.7277 by changing the saturation by 10% instead.

■ 41.7980, 41.7975,
80.7277

■ 41.7980, 41.7975,
80.7277

344.6508,
353.6428, 517.1532

■ 29.1336, 28.9428,
59.7877

■ 77.1609, 77.8931,
136.2090

■ 19.3267, 19.0375,
42.8233

■ 100.5901,
101.9027, 171.5873

■ 12.0120, 11.6974,
29.4162

128.3382,
130.3994, 212.6155

■ 6.8241, 6.5380,
19.1476

160.7707,
163.7675, 259.7121

■ 3.3977, 3.1749,
11.5991

198.2528,
202.3916, 313.2956

■ 1.3674, 1.2237,
6.3521

241.1500,

■ 0.2328, 0.0809,

246.6558, 373.7846

2.9881

289.8275,
296.9448, 441.5976

■ 0.0000, 0.0000,
1.0886

■ 0.0000, 0.0000,
0.0000

■ 41.7980, 41.7975,
80.7277

■ 41.7980, 41.7975,
80.7277

■ 34.9265, 33.7843,
79.5439

■ 49.9133, 51.0599,
82.0885

■ 29.2308, 26.9599,
78.5269

■ 59.3274, 61.6187,
83.6304

■ 24.6424, 21.2658,
77.6696

■ 70.0969, 73.5242,
85.3608

■ 21.0835, 16.6363,
76.9636

■ 82.2739, 86.8229,
87.2859

■ 18.4654, 12.9978,
76.3993

■ 91.2831, 98.4932,
89.0637

■ 16.6824, 10.2654,
75.9659

■ 15.9593, 9.0656,
75.7724

Harmonies

Analogous

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



36.5604, 41.7975, 79.3645



41.7980, 41.7975, 80.7277



46.9014, 41.7975, 71.2137

Triad

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



41.7980, 41.7975, 80.7277



47.9054, 41.7975, 28.7215



30.7875, 41.7975, 36.8105

Complementary

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



41.7980, 41.7975, 80.7277



61.0207, 64.6596, 38.5442

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.



33.3248, 41.7975, 26.8817



41.7980, 41.7975, 80.7277



43.0719, 41.7975, 22.9826

Square

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



41.7980, 41.7975, 80.7277



50.6320, 41.7975, 39.9255



37.7261, 41.7975, 22.3944



30.5127, 41.7975, 51.5931

Rectangle

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



41.7980, 41.7975, 80.7277



49.4200, 41.7975, 61.0057



37.7261, 41.7975, 22.3944



31.3928, 41.7975, 32.8898

Sweetspot

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



41.7994, 41.7991, 80.7287



80.5986, 84.1118, 106.5949



52.5609, 67.7742, 70.5910



16.8472, 17.5557, 22.7506



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.



41.7994, 41.7991, 80.7287



46.6792, 45.6838, 100.9653



41.8063, 36.3311, 79.6729



13.8929, 14.5072, 18.2123



9.1208, 5.3036, 42.9262



0.7487, 0.5413, 3.1970

Inverse Universe

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



51.1474, 41.9363, 44.4300



60.2785, 46.4407, 48.0337



60.9105, 72.7617, 40.1139



14.5335, 14.4306, 15.7439



18.9972, 9.7331, 3.6145



1.4415, 0.7343, 0.4656

Previews

White Background



This preview shows how the XYZ color 41.7980, 41.7975, 80.7277 looks on a white background.

Color Contrast Check

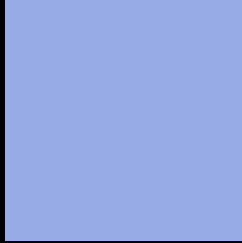
Large Text (above 18pt) WCAG AA × Fail

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 41.7980, 41.7975, 80.7277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

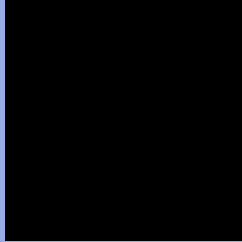
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7980, 41.7975, 80.7277

Background



This preview shows how black text looks on a background with the XYZ color 41.7980, 41.7975, 80.7277.



This preview shows how white text looks on a background with the XYZ color 41.7980, 41.7975,

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

41.7980, 41.7975, 80.7277

Protanopia

42.6104, 41.9511, 79.9803

Deuteranopia

42.7582, 41.7317, 80.6643



Tritanopia

37.0734, 41.9301, 56.5914

Trichromacy



Original Color

41.7980, 41.7975, 80.7277

Protanomaly

42.2233, 41.7515, 79.9622

Deuteranomaly

42.3634, 41.8076, 80.6998

Tritanomaly

38.5200, 41.6179, 64.3954

Monochromacy



Original Color

41.7980, 41.7975, 80.7277

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.6880, 41.2478, 56.3219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7980, 41.7975, 80.7277 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(151, 172, 230)` looks like.

```
.text, #text, p{  
    color:rgb(151, 172, 230)  
}
```

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(151, 172, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 172, 230) }
```

Border

The CSS property to change the border of an element to XYZ 41.7980, 41.7975, 80.7277 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(151, 172, 230) }
```


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

```
.border{ border-color:rgb(151, 172, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 172, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 172, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 172, 230);  
box-shadow:4px 4px 4px 4px rgb(151, 172,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7980, 41.7975, 80.7277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 172, 230) }
```

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

```
.background{ background-color: rgb(151,  
172, 230) }
```

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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