

Converting Colors

XYZ(40.9580, 41.8567, 59.8648)

Have a look what the booklet for
XYZ(40.9580, 41.8567, 59.8648)
contains.

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Color

**XYZ(40.9977, 41.8441,
59.9487)**

Conversions

Conversions Part 1

Format	Color
Hex	A7ACC7
RGB	167, 172, 199
RGB Percent	65%, 67%, 78%
CMY	0.3451, 0.3255, 0.2196
CMYK	0.16, 0.14, 0.00, 0.22
HSL	231°, 22%, 72%
HSV	231°, 16%, 78%
XYZ	40.9977, 41.8441, 59.9487
YIQ	173.5830, -11.6470, 7.3370

Conversions

Conversions Part 2

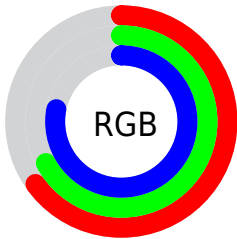
Format	Color
R _Y B	167, 171, 199
Decimal	10988743
CIE Lab	70.76, 3.80, -14.33
CIE LCh	71, 14.826, 284.868
Yxy	41.8441, 0.2871, 0.2930
Android (android.graphics.Color)	4289178823 (0xFFA7ACC7)
YUV	173.5830, 12.5306, -5.7733
Hunter-Lab	64.6870, -0.0715, -9.6661

Details

The XYZ color **40.9977, 41.8441, 59.9487** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.8203, 53.5155, 44.2639**, and the grayscale version is **39.9615, 42.0426, 45.7844**.

A 20% lighter version of the original color is **75.6433, 77.6878, 105.6162**, and **18.8975, 19.1221, 29.4830** is the 20% darker color. If you saturate the color by 10%, you get **34.1169, 33.8502, 58.7691**, and if you desaturate by 10%, it is **48.9317, 50.9824, 61.2951**.

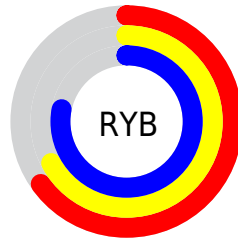
Distribution



Red (65%)

Green (67%)

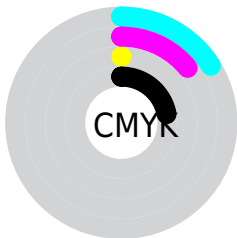
Blue (78%)



Red (65%)

Yellow (67%)

Blue (78%)

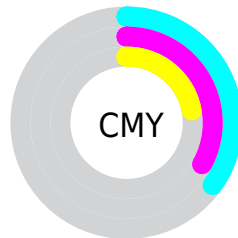


Cyan (16%)

Magenta (14%)

Yellow (0%)

Black (22%)



Cyan (35%)

Magenta (33%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9977, 41.8441, 59.9487 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 40.9977, 41.8441, 59.9487 by changing the saturation by 10% instead.

■ 40.9977, 41.8441,
59.9487

■ 40.9977, 41.8441,
59.9487

341.3738,
353.8363, 442.2080

■ 28.5050, 28.9792,
42.9523

■ 75.9551, 77.9636,
106.2979

■ 18.8490, 19.0651,
29.5165

■ 99.1505, 101.9871,
136.4877

■ 11.6646, 11.7173,
19.2230

126.6442,
130.4988, 171.9124

■ 6.5863, 6.5515,
11.6531

158.8014,
163.8833, 212.9906

■ 3.2488, 3.1832,
6.3883

195.9877,
202.5249, 260.1406

■ 1.2866, 1.2281,
3.0100

238.5682,

■ 0.1732, 0.0845,

246.8080, 313.7812

1.0997

286.9085,
297.1170, 374.3308

■ 0.0000, 0.0000,
0.0000

■ 40.9977, 41.8441,
59.9487

■ 40.9977, 41.8441,
59.9487

■ 34.1169, 33.8502,
58.7691

■ 48.9317, 50.9824,
61.2951

■ 28.2410, 26.9503,
57.7469

■ 57.9568, 61.3025,
62.8114

■ 23.3236, 21.0979,
56.8765

■ 68.1139, 72.8466,
64.5043

■ 19.3129, 16.2411,
56.1504

■ 79.4405, 85.6532,
66.3792

■ 16.1526, 12.3235,
55.5608

■ 87.3089, 96.9036,
68.1361

■ 13.7794, 9.2829,
55.0990

■ 12.1212, 7.0493,
54.7553

■ 11.0898, 5.5403,
54.5184

■ 10.8017, 5.1091,
54.4503

Harmonies

Analogous

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



38.5495, 41.8441, 59.9293



40.9977, 41.8441, 59.9487



43.2028, 41.8441, 55.8524

Triad

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



40.9977, 41.8441, 59.9487



43.2191, 41.8441, 36.6567



35.3779, 41.8441, 42.1155

Complementary

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



40.9977, 41.8441, 59.9487



49.8203, 53.5155, 44.2639

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.



36.5270, 41.8441, 36.6186



40.9977, 41.8441, 59.9487



41.0191, 41.8441, 33.6952

Square

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



40.9977, 41.8441, 59.9487



44.5208, 41.8441, 42.1727



38.5701, 41.8441, 33.6820



35.3727, 41.8441, 49.1264

Rectangle

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



40.9977, 41.8441, 59.9487



44.2095, 41.8441, 51.5601



38.5701, 41.8441, 33.6820



35.6410, 41.8441, 40.0465

Sweetspot

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



40.9990, 41.8458, 59.9496



87.1777, 90.9892, 107.5757



46.0608, 52.9432, 58.6350



18.4313, 19.2136, 22.9871



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.



40.9990, 41.8458, 59.9496



67.7344, 68.5763, 104.2743



42.4121, 41.1875, 59.7481



10.1883, 10.5508, 13.4170



6.9874, 3.3688, 35.0263



0.3744, 0.2467, 1.6730

Inverse Universe

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



44.8193, 42.7591, 44.9228



75.5973, 70.5293, 73.3301



48.2205, 54.3713, 44.5134



10.7003, 10.6635, 11.4053



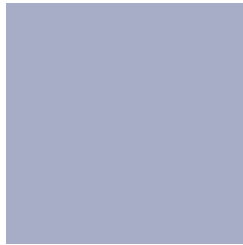
15.3263, 7.8801, 1.6621



0.7477, 0.3819, 0.1946

Previews

White Background



This preview shows how the XYZ color 40.9977, 41.8441, 59.9487 looks on a white background.

Color Contrast Check

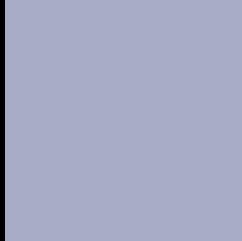
Large Text (above 18pt) WCAG AA × Fail

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 40.9977, 41.8441, 59.9487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

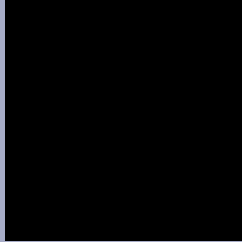
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9977, 41.8441, 59.9487

Background



This preview shows how black text looks on a background with the XYZ color 40.9977, 41.8441, 59.9487.



This preview shows how white text looks on a background with the XYZ color 40.9977, 41.8441,

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

40.9977, 41.8441, 59.9487

Protanopia

41.2098, 41.9534, 59.9587

Deuteranopia

42.7448, 41.8932, 60.4769



Tritanopia

39.7302, 41.9023, 53.5709

Trichromacy



Original Color

40.9977, 41.8441, 59.9487

Protanomaly

41.2098, 41.9534, 59.9587

Deuteranomaly

42.0336, 41.8038, 60.4971

Tritanomaly

40.1839, 41.7999, 55.8194

Monochromacy



Original Color

40.9977, 41.8441, 59.9487

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.2854, 41.9640, 50.7763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9977, 41.8441, 59.9487 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(167, 172, 199)` looks like.

```
.text, #text, p{  
    color:rgb(167, 172, 199)  
}
```

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(167, 172, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 172, 199) }
```

Border

The CSS property to change the border of an element to XYZ 40.9977, 41.8441, 59.9487 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(167, 172, 199) }
```


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

```
.border{ border-color:rgb(167, 172, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 172, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 172, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 172, 199);  
box-shadow:4px 4px 4px 4px rgb(167, 172,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9977, 41.8441, 59.9487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 172, 199) }
```

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

```
.background{ background-color: rgb(167,  
172, 199) }
```

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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