

Converting Colors

XYZ(41.6877, 41.9409, 59.6457)

Have a look what the booklet for
XYZ(41.6877, 41.9409, 59.6457)
contains.

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Color

**XYZ(41.6663, 41.9073,
59.9257)**

Conversions

Conversions Part 1

Format	Color
Hex	ABABC7
RGB	171, 171, 199
RGB Percent	67%, 67%, 78%
CMY	0.3294, 0.3294, 0.2196
CMYK	0.14, 0.14, 0.00, 0.22
HSL	240°, 20%, 73%
HSV	240°, 14%, 78%
XYZ	41.6663, 41.9073, 59.9257
YIQ	174.1920, -8.9880, 8.7080

Conversions

Conversions Part 2

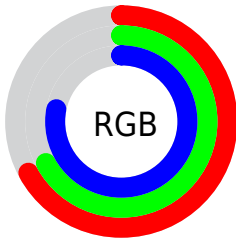
Format	Color
R_{YB}	171, 171, 199
Decimal	11250631
CIE _{Lab}	70.81, 5.66, -14.23
CIE _{LCh}	71, 15.317, 291.681
Yxy	41.9073, 0.2904, 0.2920
Android (android.graphics.Color)	4289440711 (0xFFABABC7)
YUV	174.1920, 12.2303, -2.7994
Hunter-Lab	64.7358, 1.6012, -9.5694

Details

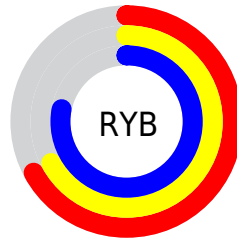
The XYZ color **41.6663, 41.9073, 59.9257** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.3275, 55.9289, 46.6191**, and the grayscale version is **40.2742, 42.3716, 46.1427**.

A 20% lighter version of the original color is **76.6104, 77.7815, 105.5833**, and **19.3154, 19.1599, 29.4683** is the 20% darker color. If you saturate the color by 10%, you get **34.1739, 32.8798, 58.5788**, and if you desaturate by 10%, it is **50.3797, 52.4063, 61.4936**.

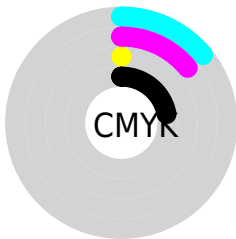
Distribution



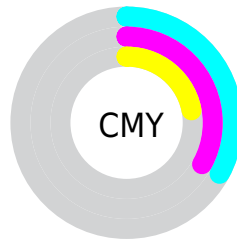
- Red (67%)
- Green (67%)
- Blue (78%)



- Red (67%)
- Yellow (67%)
- Blue (78%)



- Cyan (14%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6663, 41.9073, 59.9257 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 41.6663, 41.9073, 59.9257 by changing the saturation by 10% instead.

■ 41.6663, 41.9073,
59.9257

■ 41.6663, 41.9073,
59.9257

344.1130,
354.0985, 442.1209

■ 29.0301, 29.0287,
42.9338

■ 76.9627, 78.0593,
106.2642

■ 19.2480, 19.1025,
29.5022

100.3535,
102.1015, 136.4479

■ 11.9546, 11.7444,
19.2122

128.0599,
130.6337, 171.8660

■ 6.7848, 6.5699,
11.6454

160.4472,
164.0403, 212.9370

■ 3.3730, 3.1946,
6.3831

197.8809,
202.7057, 260.0794

■ 1.3539, 1.2342,
3.0069

240.7261,

■ 0.2231, 0.0893,

247.0143, 313.7119

1.0981

289.3484,
297.3504, 374.2528

■ 0.0000, 0.0000,
0.0000

■ 41.6663, 41.9073,
59.9257

■ 41.6663, 41.9073,
59.9257

■ 34.1739, 32.8798,
58.5788

■ 50.3797, 52.4063,
61.4936

■ 27.8444, 25.2532,
57.4403

■ 60.3611, 64.4330,
63.2889

■ 22.6206, 18.9590,
56.5007

■ 71.6597, 78.0467,
65.3212

■ 18.4392, 13.9206,
55.7486

■ 84.3212, 93.3025,
67.5985

■ 15.2303, 10.0540,
55.1714

■ 87.3089, 96.9036,
68.1361

■ 12.9154, 7.2647,
54.7550

■ 11.4042, 5.4436,
54.4831

■ 10.5870, 4.4588,
54.3361

■ 10.3091, 4.1239,
54.2861

Harmonies

Analogous

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



39.1281, 41.9073, 60.9432



41.6663, 41.9073, 59.9257



43.7941, 41.9073, 54.8793

Triad

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



41.6663, 41.9073, 59.9257



42.9423, 41.9073, 35.4974



35.1848, 41.9073, 43.6328

Complementary

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



41.6663, 41.9073, 59.9257



51.3275, 55.9289, 46.6191

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.



36.1157, 41.9073, 37.4830



41.6663, 41.9073, 59.9257



40.5436, 41.9073, 33.1241

Square

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



41.6663, 41.9073, 59.9257



44.5524, 41.9073, 40.6475



38.0516, 41.9073, 33.8103



35.4567, 41.9073, 51.0038

Rectangle

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



41.6663, 41.9073, 59.9257



44.6583, 41.9073, 50.1764



38.0516, 41.9073, 33.8103



35.3659, 41.9073, 41.3668

Sweetspot

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



41.6676, 41.9090, 59.9266



88.2286, 91.7809, 107.6731



47.4735, 53.6074, 61.5950



18.6188, 19.3246, 22.9987



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.



41.6676, 41.9090, 59.9266



68.5575, 68.0790, 104.1349



44.7677, 43.5066, 60.0716



10.0568, 10.2876, 13.3732



6.6289, 2.6518, 34.9068



0.3139, 0.1256, 1.6528

Inverse Universe

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



45.4678, 44.2092, 44.6669



76.5361, 72.9082, 72.0972



47.8952, 54.1603, 46.4586



10.6339, 10.6370, 11.0556



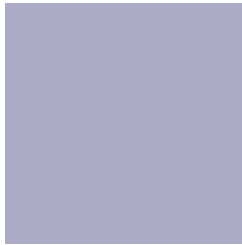
15.1453, 7.8077, 0.7092



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 41.6663, 41.9073, 59.9257 looks on a white background.

Color Contrast Check

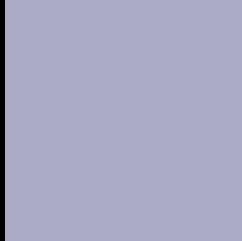
Large Text (above 18pt) WCAG AA × Fail

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 41.6663, 41.9073, 59.9257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

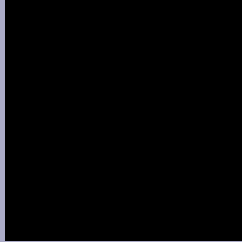
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6663, 41.9073, 59.9257

Background



This preview shows how black text looks on a background with the XYZ color 41.6663, 41.9073, 59.9257.



This preview shows how white text looks on a background with the XYZ color 41.6663, 41.9073,

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

41.6663, 41.9073, 59.9257

Protanopia

41.3263, 42.0000, 60.5723

Deuteranopia

42.6282, 41.8466, 59.8633



Tritanopia

40.2754, 41.9100, 52.9804

Trichromacy



Original Color

41.6663, 41.9073, 59.9257

Protanomaly

41.5400, 42.1102, 60.5823

Deuteranomaly

42.3627, 41.9869, 59.9044

Tritanomaly

40.7341, 41.8127, 55.2140

Monochromacy



Original Color

41.6663, 41.9073, 59.9257

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.7244, 42.1903, 50.7969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6663, 41.9073, 59.9257 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(171, 171, 199)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 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(171, 171, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 199) }
```

Border

The CSS property to change the border of an element to XYZ 41.6663, 41.9073, 59.9257 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(171, 171, 199) }
```


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

```
.border{ border-color:rgb(171, 171, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 171, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 199);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6663, 41.9073, 59.9257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 199) }
```

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

```
.background{ background-color: rgb(171,  
171, 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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