

Converting Colors

XYZ(41.9331, 41.4728, 63.8444)

Have a look what the booklet for
XYZ(41.9331, 41.4728, 63.8444)
contains.

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Color

**XYZ(41.7850, 41.3298,
63.5327)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA9CD
RGB	170, 169, 205
RGB Percent	67%, 66%, 80%
CMY	0.3333, 0.3372, 0.1961
CMYK	0.17, 0.18, 0.00, 0.20
HSL	242°, 26%, 73%
HSV	242°, 18%, 80%
XYZ	41.7850, 41.3298, 63.5327
YIQ	173.4030, -10.9600, 11.4080

Conversions

Conversions Part 2

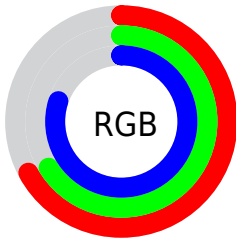
Format	Color
R _Y B	170, 169, 205
Decimal	11184589
CIE Lab	70.41, 7.75, -18.15
CIE LCh	70, 19.733, 293.112
Yxy	41.3298, 0.2849, 0.2818
Android (android.graphics.Color)	4289374669 (0xFFAAA9CD)
YUV	173.4030, 15.5773, -2.9844
Hunter-Lab	64.2883, 3.5140, -13.5914

Details

The XYZ color **41.7850, 41.3298, 63.5327** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.8959, 59.3656, 46.1561**, and the grayscale version is **39.8542, 41.9297, 45.6615**.

A 20% lighter version of the original color is **76.0697, 76.7001, 105.4030**, and **19.2833, 18.7389, 31.8788** is the 20% darker color. If you saturate the color by 10%, you get **34.2793, 32.2368, 62.1738**, and if you desaturate by 10%, it is **50.5444, 51.9589, 65.1233**.

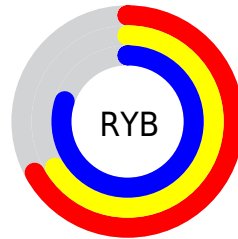
Distribution



Red (67%)

Green (66%)

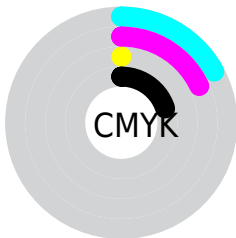
Blue (80%)



Red (67%)

Yellow (66%)

Blue (80%)

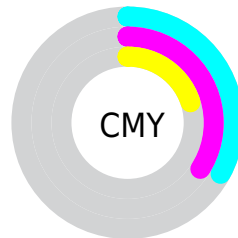


Cyan (17%)

Magenta (18%)

Yellow (0%)

Black (20%)



Cyan (33%)

Magenta (34%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7850, 41.3298, 63.5327 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 41.7850, 41.3298, 63.5327 by changing the saturation by 10% instead.

■ 41.7850, 41.3298,
63.5327

■ 41.7850, 41.3298,
63.5327

344.5977,
351.6971, 455.6612

■ 29.1234, 28.5769,
45.8285

■ 77.1413, 77.1843,
111.5307

■ 19.3189, 18.7610,
31.7628

■ 100.5667,
101.0546, 142.6615

■ 12.0063, 11.4977,
20.9171

128.3108,
129.3996, 179.1050

■ 6.8202, 6.4026,
12.8728

160.7388,
162.6035, 221.2797

■ 3.3952, 3.0914,
7.2113

198.2161,
201.0509, 269.6042

■ 1.3661, 1.1796,
3.5141

241.1081,

■ 0.2318, 0.0450,

245.1260, 324.4969

1.3628

289.7802,
295.2133, 386.3764

■ 0.0000, 0.0000,
0.1124

■ 0.0000, 0.0000,
0.0000

■ 41.7850, 41.3298,
63.5327

■ 41.7850, 41.3298,
63.5327

■ 34.2793, 32.2368,
62.1738

■ 50.5444, 51.9589,
65.1233

■ 27.9665, 24.6040,
61.0333

■ 60.6072, 64.1849,
66.9528

■ 22.7862, 18.3568,
60.1005

■ 72.0249, 78.0719,
69.0315

■ 18.6714, 13.4123,
59.3630

■ 84.8452, 93.6788,
71.3682

■ 15.5480, 9.6783,
58.8068

■ 88.0196, 97.1878,
71.8782

■ 13.3325, 7.0507,
58.4164

■ 11.9276, 5.4081,
58.1734

■ 11.2060, 4.5845,
58.0525

■ 11.0907, 4.4445,
58.0316

Harmonies

Analogous

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



38.5387, 41.3298, 65.1908



41.7850, 41.3298, 63.5327



44.4913, 41.3298, 56.6107

Triad

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



41.7850, 41.3298, 63.5327



43.1510, 41.3298, 32.1606



33.4043, 41.3298, 42.8906

Complementary

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



41.7850, 41.3298, 63.5327



53.8959, 59.3656, 46.1561

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.



34.4974, 41.3298, 35.0983



41.7850, 41.3298, 63.5327



40.0363, 41.3298, 29.4804

Square

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



41.7850, 41.3298, 63.5327



45.3098, 41.3298, 38.3405



36.8824, 41.3298, 30.4767



33.8153, 41.3298, 52.3917

Rectangle

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



41.7850, 41.3298, 63.5327



45.5653, 41.3298, 50.3982



36.8824, 41.3298, 30.4767



33.6059, 41.3298, 40.0039

Sweetspot

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



41.7863, 41.3315, 63.5336



86.7021, 89.8574, 107.3823



49.0709, 56.2199, 66.0234



18.3162, 18.9398, 22.9403



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.



41.7863, 41.3315, 63.5336



63.6526, 61.8908, 103.1990



45.8495, 43.4262, 63.7238



10.6300, 10.8586, 14.1060



6.9176, 2.7737, 36.1270



0.3672, 0.1484, 1.8642

Inverse Universe

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



50.2652, 45.7164, 63.3034



80.0435, 70.3681, 102.7229



49.3410, 57.0174, 45.9430



11.6736, 11.3982, 14.0818



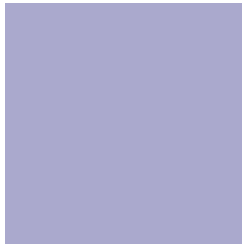
22.1201, 10.6586, 34.6808



1.1455, 0.5516, 1.8120

Previews

White Background



This preview shows how the XYZ color 41.7850, 41.3298, 63.5327 looks on a white background.

Color Contrast Check

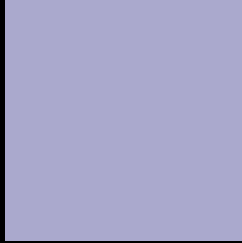
Large Text (above 18pt) WCAG AA × Fail

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 41.7850, 41.3298, 63.5327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

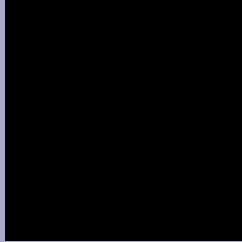
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7850, 41.3298, 63.5327

Background



This preview shows how black text looks on a background with the XYZ color 41.7850, 41.3298, 63.5327.



This preview shows how white text looks on a background with the XYZ color 41.7850, 41.3298,

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

41.7850, 41.3298, 63.5327

Protanopia

41.2205, 41.5814, 64.2460

Deuteranopia

42.2557, 41.2973, 63.5017



Tritanopia

39.5518, 41.2657, 52.3348

Trichromacy



Original Color

41.7850, 41.3298, 63.5327

Protanomaly

41.4517, 41.4212, 64.2029

Deuteranomaly

42.0353, 41.1837, 63.4914

Tritanomaly

40.3370, 41.3009, 56.2980

Monochromacy



Original Color

41.7850, 41.3298, 63.5327

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.5227, 41.7785, 51.8272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7850, 41.3298, 63.5327 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(170, 169, 205)` looks like.

```
.text, #text, p{  
    color:rgb(170, 169, 205)  
}
```

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(170, 169, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 169, 205) }
```

Border

The CSS property to change the border of an element to XYZ 41.7850, 41.3298, 63.5327 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(170, 169, 205) }
```


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

```
.border{ border-color:rgb(170, 169, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 169, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 169, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 169, 205);  
box-shadow:4px 4px 4px 4px rgb(170, 169,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7850, 41.3298, 63.5327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 169, 205) }
```

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

```
.background{ background-color: rgb(170,  
169, 205) }
```

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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