

Converting Colors

XYZ(40.3997, 40.7013, 67.5530)

Have a look what the booklet for
XYZ(40.3997, 40.7013, 67.5530)
contains.

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Color

**XYZ(40.4307, 40.8235,
67.3768)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9FAAD3 |
| RGB | 159, 170, 211 |
| RGB Percent | 62%, 67%, 83% |
| CMY | 0.3765, 0.3333, 0.1725 |
| CMYK | 0.25, 0.19, 0.00, 0.17 |
| HSL | 227°, 37%, 73% |
| HSV | 227°, 25%, 83% |
| XYZ | 40.4307, 40.8235, 67.3768 |
| YIQ | 171.3850, -19.7170, 10.4190 |

Conversions

Conversions Part 2

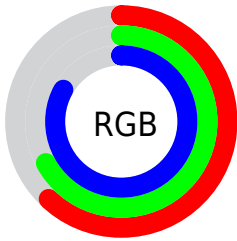
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 159, 168, 211 |
| Decimal | 10463955 |
| CIE Lab | 70.05, 5.12, -22.06 |
| CIE LCh | 70, 22.651, 283.065 |
| Yxy | 40.8235, 0.2720, 0.2747 |
| Android (android.graphics.Color) | 4288654035 (0xFF9FAAD3) |
| YUV | 171.3850, 19.5302, -10.8616 |
| Hunter-Lab | 63.8933, 1.1389, -17.7973 |

Details

The XYZ color **40.4307, 40.8235, 67.3768** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.7769, 57.6611, 41.0975**, and the grayscale version is **38.8152, 40.8366, 44.4711**.

A 20% lighter version of the original color is **72.7068, 75.3666, 105.3229**, and **18.5426, 18.4830, 34.0428** is the 20% darker color. If you saturate the color by 10%, you get **33.6746, 33.0010, 66.2237**, and if you desaturate by 10%, it is **48.2983, 49.8068, 68.6968**.

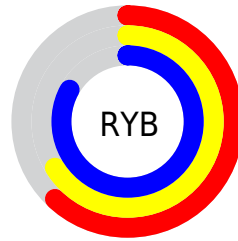
Distribution



Red (62%)

Green (67%)

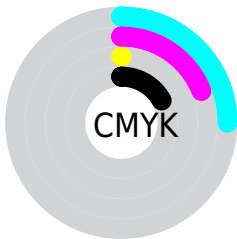
Blue (83%)



Red (62%)

Yellow (66%)

Blue (83%)

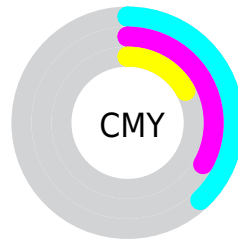


Cyan (25%)

Magenta (19%)

Yellow (0%)

Black (17%)



Cyan (38%)

Magenta (33%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4307, 40.8235, 67.3768 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 40.4307, 40.8235, 67.3768 by changing the saturation by 10% instead.

■ 40.4307, 40.8235,
67.3768

■ 40.4307, 40.8235,
67.3768

339.0389,
349.5824, 469.8228

■ 28.0602, 28.1812,
48.9274

■ 75.0991, 76.4159,
117.1059

■ 18.5117, 18.4623,
34.1967

■ 98.1277, 100.1348,
149.2227

■ 11.4199, 11.2824,
22.7662

125.4398,
128.3146, 186.7324

■ 6.4194, 6.2571,
14.2173

157.4006,
161.3398, 230.0535

■ 3.1448, 3.0020,
8.1315

194.3756,
199.5948, 279.6045

■ 1.2308, 1.1328,
4.0902

236.7301,

■ 0.1305, 0.0058,

243.4640, 335.8041

1.6750

284.8294,
293.3317, 399.0706

■ 0.0000, 0.0000,
0.3435

■ 0.0000, 0.0000,
0.0000

■ 40.4307, 40.8235,
67.3768

■ 40.4307, 40.8235,
67.3768

■ 33.6746, 33.0010,
66.2237

■ 48.2983, 49.8068,
68.6968

■ 27.9751, 26.2864,
65.2280

■ 57.3212, 59.9912,
70.1870

■ 23.2785, 20.6296,
64.3837

■ 67.5453, 71.4210,
71.8543

■ 19.5246, 15.9750,
63.6831

■ 79.0131, 84.1369,
73.7043

■ 16.6466, 12.2614,
63.1180

■ 88.1816, 96.3304,
75.5746

■ 14.5680, 9.4204,
62.6792

■ 88.7580, 97.4832,
75.7668

■ 13.1983, 7.3730,
62.3562

■ 12.6827, 6.5525,
62.2250

Harmonies

Analogous

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



36.7675, 40.8235, 66.9083



40.4307, 40.8235, 67.3768



43.8606, 40.8235, 61.0440

Triad

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



40.4307, 40.8235, 67.3768



44.2301, 40.8235, 31.9474



32.3907, 40.8235, 38.7794

Complementary

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



40.4307, 40.8235, 67.3768



53.7769, 57.6611, 41.0975

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.



34.1472, 40.8235, 31.1736



40.4307, 40.8235, 67.3768



40.9092, 40.8235, 27.6802

Square

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



40.4307, 40.8235, 67.3768



46.1462, 40.8235, 40.0048



37.2167, 40.8235, 27.4215



32.2807, 40.8235, 49.2126

Rectangle

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



40.4307, 40.8235, 67.3768



45.4902, 40.8235, 54.3244



37.2167, 40.8235, 27.4215



32.8029, 40.8235, 35.8509

Sweetspot

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



40.4320, 40.8251, 67.3777



84.4586, 88.1173, 107.1646



47.9875, 58.1180, 63.1699



17.8914, 18.6510, 22.9070



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.



40.4320, 40.8251, 67.3777



55.9694, 55.6330, 102.3961



41.5533, 38.4688, 66.8638



11.3635, 11.8172, 14.9257



7.7149, 4.0763, 37.5727



0.4904, 0.3461, 2.1205

Inverse Universe

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



46.5189, 41.5487, 43.5998



67.0747, 57.2260, 58.9532



52.3876, 60.8641, 41.7890



11.9096, 11.8486, 12.7998



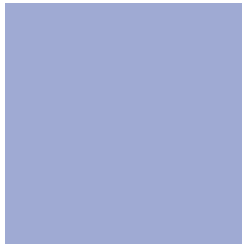
16.5248, 8.4828, 2.4040



0.9538, 0.4862, 0.2914

Previews

White Background



This preview shows how the XYZ color 40.4307, 40.8235, 67.3768 looks on a white background.

Color Contrast Check

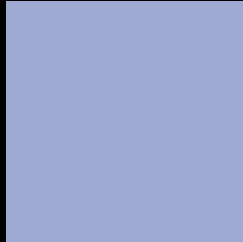
Large Text (above 18pt) WCAG AA × Fail

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 40.4307, 40.8235, 67.3768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

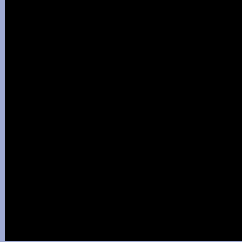
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4307, 40.8235, 67.3768

Background



This preview shows how black text looks on a background with the XYZ color 40.4307, 40.8235, 67.3768.



This preview shows how white text looks on a background with the XYZ color 40.4307, 40.8235,

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

40.4307, 40.8235, 67.3768

Protanopia

40.6438, 40.6561, 67.3333

Deuteranopia

41.8226, 40.9742, 67.9919



Tritanopia

37.5396, 40.7730, 53.4684

Trichromacy



Original Color

40.4307, 40.8235, 67.3768

Protanomaly

40.4430, 40.5527, 67.3239

Deuteranomaly

41.3815, 41.0219, 68.0243

Tritanomaly

38.6177, 40.9406, 58.0915

Monochromacy



Original Color

40.4307, 40.8235, 67.3768

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.3622, 40.8865, 52.2716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4307, 40.8235, 67.3768 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(159, 170, 211)` looks like.

```
.text, #text, p{  
    color:rgb(159, 170, 211)  
}
```

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(159, 170, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 170, 211) }
```

Border

The CSS property to change the border of an element to XYZ 40.4307, 40.8235, 67.3768 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(159, 170, 211) }
```


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

```
.border{ border-color:rgb(159, 170, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 170, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 170, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 170, 211);  
box-shadow:4px 4px 4px 4px rgb(159, 170,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4307, 40.8235, 67.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 170, 211) }
```

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

```
.background{ background-color: rgb(159,  
170, 211) }
```

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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