

Converting Colors

XYZ(40.4262, 40.7598, 82.8275)

Have a look what the booklet for
XYZ(40.4262, 40.7598, 82.8275)
contains.

XYZ(40.4262, 40.7598, 82.8275)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.4262, 40.7598,
82.8275)**

Conversions

Conversions Part 1

Format	Color
Hex	8EABE9
RGB	142, 171, 233
RGB Percent	56%, 67%, 91%
CMY	0.4431, 0.3294, 0.0863
CMYK	0.39, 0.27, 0.00, 0.09
HSL	221°, 67%, 74%
HSV	221°, 39%, 91%
XYZ	40.4262, 40.7598, 82.8275
YIQ	169.3970, -37.1860, 13.1340

Conversions

Conversions Part 2

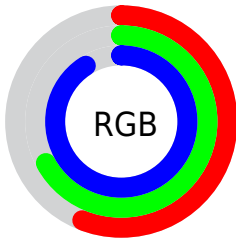
Format	Color
RYB	142, 164, 233
Decimal	9350121
CIELab	70.01, 5.30, -34.28
CIELCh	70, 34.691, 278.787
Yxy	40.7598, 0.2465, 0.2485
Android (android.graphics.Color)	4287540201 (0xFF8EABE9)
YUV	169.3970, 31.3563, -24.0272
Hunter-Lab	63.8434, 1.3018, -32.2297

Details

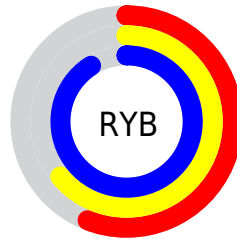
The XYZ color **40.4262, 40.7598, 82.8275** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.0806, 62.4635, 34.4828**, and the grayscale version is **37.7725, 39.7396, 43.2764**.

A 20% lighter version of the original color is **68.5351, 73.6185, 105.2053**, and **18.4631, 18.3942, 44.1723** is the 20% darker color. If you saturate the color by 10%, you get **34.0180, 33.2697, 81.7203**, and if you desaturate by 10%, it is **48.0329, 49.4040, 84.0958**.

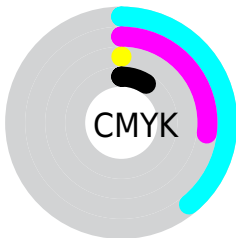
Distribution



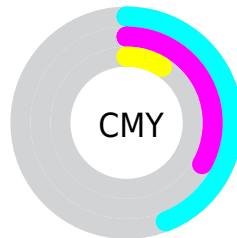
- Red (56%)
- Green (67%)
- Blue (91%)



- Red (56%)
- Yellow (64%)
- Blue (91%)



- Cyan (39%)
- Magenta (27%)
- Yellow (0%)
- Black (9%)



- Cyan (44%)
- Magenta (33%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4262, 40.7598, 82.8275 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 40.4262, 40.7598, 82.8275 by changing the saturation by 10% instead.

■ 40.4262, 40.7598,
82.8275

■ 40.4262, 40.7598,
82.8275

339.0204,
349.3157, 524.3674

■ 28.0567, 28.1314,
61.5081

■ 75.0923, 76.3191,
139.1809

■ 18.5091, 18.4248,
44.2021

■ 98.1196, 100.0189,
175.0520

■ 11.4180, 11.2554,
30.4911

125.4302,
128.1779, 216.6107

■ 6.4181, 6.2389,
19.9564

157.3895,
161.1806, 264.2755

■ 3.1440, 2.9909,
12.1796

194.3628,
199.4113, 318.4651

■ 1.2304, 1.1270,
6.7421

236.7155,

■ 0.1301, 0.0008,

243.2545, 379.5979

3.2253

284.8129,
293.0945, 448.0925

■ 0.0000, 0.0000,
1.2108

■ 0.0000, 0.0000,
0.0000

■ 40.4262, 40.7598,
82.8275

■ 40.4262, 40.7598,
82.8275

■ 34.0180, 33.2697,
81.7203

■ 48.0329, 49.4040,
84.0958

■ 28.7388, 26.8766,
80.7645

■ 56.8938, 59.2466,
85.5286

■ 24.5184, 21.5250,
79.9540

■ 67.0663, 70.3348,
87.1327

■ 21.2757, 17.1521,
79.2808

■ 78.6025, 82.7121,
88.9137

■ 18.9166, 13.6866,
78.7363

■ 90.2509, 95.7489,
90.8162

■ 17.3033, 11.0326,
78.3090

■ 91.7081, 98.6632,
91.3019

■ 17.1738, 10.8147,
78.2738

Harmonies

Analogous

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



34.9374, 40.7598, 80.2105



40.4262, 40.7598, 82.8275



45.9610, 40.7598, 73.3558

Triad

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



40.4262, 40.7598, 82.8275



47.8518, 40.7598, 27.5887



29.4609, 40.7598, 34.0372

Complementary

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



40.4262, 40.7598, 82.8275



60.0806, 62.4635, 34.4828

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.



32.3197, 40.7598, 24.2599



40.4262, 40.7598, 82.8275



42.8110, 40.7598, 21.2159

Square

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



40.4262, 40.7598, 82.8275



50.5137, 40.7598, 39.7905



37.1032, 40.7598, 20.1668



28.9562, 40.7598, 49.3106

Rectangle

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



40.4262, 40.7598, 82.8275



48.8067, 40.7598, 62.5578



37.1032, 40.7598, 20.1668



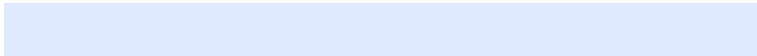
30.1641, 40.7598, 30.1170

Sweetspot

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



40.4276, 40.7613, 82.8285



78.3806, 82.0633, 106.3164



51.0352, 68.3255, 66.7914



16.4198, 17.1768, 22.7000



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.



40.4276, 40.7613, 82.8285



43.0755, 42.4026, 100.5219



38.3195, 32.4156, 81.3287



14.6230, 15.3325, 19.1110



9.8435, 6.3339, 44.4467



0.8568, 0.6651, 3.5181

Inverse Universe

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



50.6291, 39.6113, 43.5069



57.5011, 41.6603, 44.7206



62.8860, 75.1114, 36.7762



15.2633, 15.1332, 16.6717



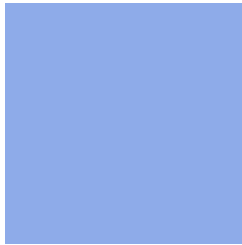
19.8238, 10.1322, 4.8736



1.5990, 0.8126, 0.6056

Previews

White Background



This preview shows how the XYZ color 40.4262, 40.7598, 82.8275 looks on a white background.

Color Contrast Check

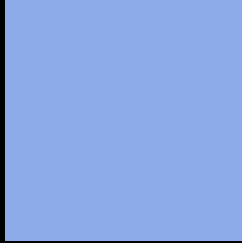
Large Text (above 18pt) WCAG AA × Fail

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 40.4262, 40.7598, 82.8275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

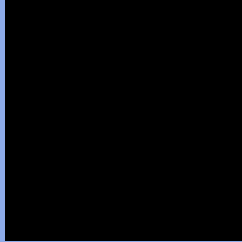
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.4262, 40.7598, 82.8275

Background



This preview shows how black text looks on a background with the XYZ color 40.4262, 40.7598, 82.8275.



This preview shows how white text looks on a background with the XYZ color 40.4262, 40.7598,

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

40.4262, 40.7598, 82.8275

Protanopia

41.5633, 40.5471, 81.2371

Deuteranopia

41.6164, 40.5251, 83.4706



Tritanopia

35.2615, 40.9960, 56.5066

Trichromacy



Original Color

40.4262, 40.7598, 82.8275

Protanomaly

41.1479, 40.5917, 82.0102

Deuteranomaly

41.2520, 40.6123, 83.5067

Tritanomaly

37.0638, 40.8390, 65.6037

Monochromacy



Original Color

40.4262, 40.7598, 82.8275

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.1872, 39.9262, 55.5630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4262, 40.7598, 82.8275 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(142, 171, 233)` looks like.

```
.text, #text, p{  
    color:rgb(142, 171, 233)  
}
```

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(142, 171, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 171, 233) }
```

Border

The CSS property to change the border of an element to XYZ 40.4262, 40.7598, 82.8275 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(142, 171, 233) }
```


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

```
.border{ border-color:rgb(142, 171, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 171, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 171, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 171, 233);  
box-shadow:4px 4px 4px 4px rgb(142, 171,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4262, 40.7598, 82.8275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 171, 233) }
```

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

```
.background{ background-color: rgb(142,  
171, 233) }
```

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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