

Converting Colors

XYZ(41.7312, 41.9309, 86.0148)

Have a look what the booklet for
XYZ(41.7312, 41.9309, 86.0148)
contains.

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Color

**XYZ(41.7312, 41.9309,
86.0148)**

Conversions

Conversions Part 1

Format	Color
Hex	90ADED
RGB	144, 173, 237
RGB Percent	56%, 68%, 93%
CMY	0.4353, 0.3216, 0.0706
CMYK	0.39, 0.27, 0.00, 0.07
HSL	221°, 72%, 75%
HSV	221°, 39%, 93%
XYZ	41.7312, 41.9309, 86.0148
YIQ	171.6250, -37.8280, 13.7560

Conversions

Conversions Part 2

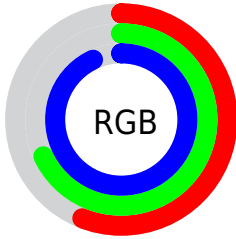
Format	Color
RYB	144, 166, 237
Decimal	9481709
CIELab	70.82, 5.79, -35.19
CIELCh	71, 35.662, 279.337
Yxy	41.9309, 0.2459, 0.2471
Android (android.graphics.Color)	4287671789 (0xFF90ADED)
YUV	171.6250, 32.2299, -24.2271
Hunter-Lab	64.7541, 1.7159, -33.4289

Details

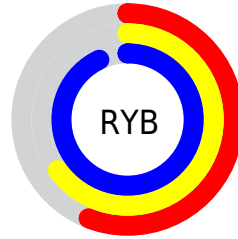
The XYZ color **41.7312, 41.9309, 86.0148** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.5160, 65.1309, 35.6636**, and the grayscale version is **38.8807, 40.9055, 44.5461**.

A 20% lighter version of the original color is **69.6128, 74.9862, 105.4125**, and **19.2977, 19.1348, 46.3923** is the 20% darker color. If you saturate the color by 10%, you get **35.0793, 34.1397, 84.8623**, and if you desaturate by 10%, it is **49.6366, 50.9368, 87.3372**.

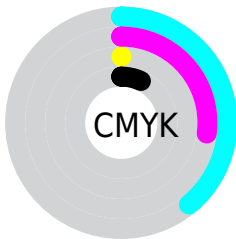
Distribution



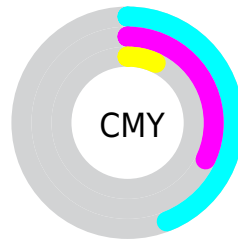
- Red (56%)
- Green (68%)
- Blue (93%)



- Red (56%)
- Yellow (65%)
- Blue (93%)



- Cyan (39%)
- Magenta (27%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (32%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7312, 41.9309, 86.0148 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 41.7312, 41.9309, 86.0148 by changing the saturation by 10% instead.

■ 41.7312, 41.9309,
86.0148

■ 41.7312, 41.9309,
86.0148

344.3781,
354.1964, 535.2119

■ 29.0811, 29.0472,
64.1252

■ 77.0604, 78.0950,
143.6769

■ 19.2867, 19.1165,
46.3053

■ 100.4701,
102.1442, 180.2865

■ 11.9829, 11.7545,
32.1364

128.1971,
130.6841, 222.6398

■ 6.8041, 6.5767,
21.2000

160.6067,
164.0989, 271.1555

■ 3.3852, 3.1988,
13.0776

198.0642,
202.7732, 326.2520

■ 1.3606, 1.2364,
7.3507

240.9350,

■ 0.2279, 0.0911,

247.0913, 388.3479

3.6006

289.5845,
297.4375, 457.8617

■ 0.0000, 0.0000,
1.4089

■ 0.0000, 0.0000,
0.1486

■ 41.7312, 41.9309,
86.0148

■ 41.7312, 41.9309,
86.0148

■ 35.0793, 34.1397,
84.8623

■ 49.6366, 50.9368,
87.3372

■ 29.6081, 27.5027,
83.8696

■ 58.8543, 61.2044,
88.8332

■ 25.2435, 21.9611,
83.0300

■ 69.4443, 72.7838,
90.5101

■ 21.9004, 17.4481,
82.3351

■ 81.4617, 85.7211,
92.3739

■ 19.4797, 13.8878,
81.7755

■ 92.1433, 98.6086,
94.2985

■ 17.8347, 11.1780,
81.3391

■ 92.2862, 98.8945,
94.3461

■ 17.7286, 10.9993,
81.3102

Harmonies

Analogous

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



35.9673, 41.9309, 83.4973



41.7312, 41.9309, 86.0148



47.5210, 41.9309, 75.8281

Triad

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



41.7312, 41.9309, 86.0148



49.3315, 41.9309, 27.9386



30.1159, 41.9309, 35.0823

Complementary

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



41.7312, 41.9309, 86.0148



62.5160, 65.1309, 35.6636

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.



33.0595, 41.9309, 24.7832



41.7312, 41.9309, 86.0148



44.0112, 41.9309, 21.4248

Square

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



41.7312, 41.9309, 86.0148



52.1867, 41.9309, 40.5639



38.0341, 41.9309, 20.4340



29.6357, 41.9309, 51.1566

Rectangle

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



41.7312, 41.9309, 86.0148



50.4796, 41.9309, 64.4001



38.0341, 41.9309, 20.4340



30.8351, 41.9309, 30.9547

Sweetspot

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



41.7326, 41.9325, 86.0158



78.3209, 81.9439, 106.2965



53.1168, 71.0306, 70.2966



16.4058, 17.1488, 22.6953



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.



41.7326, 41.9325, 86.0158



42.9181, 42.0879, 100.4695



39.9687, 33.6447, 84.5091



14.6144, 15.3153, 19.1081



9.7821, 6.2111, 44.4263



0.8511, 0.6537, 3.5162

Inverse Universe

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



52.4423, 40.9696, 44.6807



57.4217, 41.6285, 44.3023



64.8193, 77.7908, 37.9858



15.2589, 15.1314, 16.6488



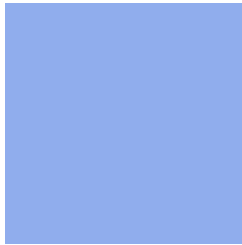
19.7928, 10.1198, 4.7104



1.5961, 0.8114, 0.5905

Previews

White Background



This preview shows how the XYZ color 41.7312, 41.9309, 86.0148 looks on a white background.

Color Contrast Check

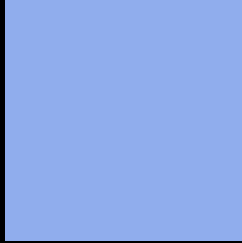
Large Text (above 18pt) WCAG AA × Fail

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 41.7312, 41.9309, 86.0148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

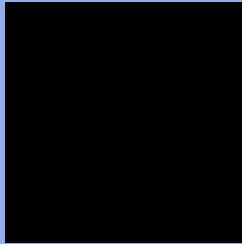
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7312, 41.9309, 86.0148

Background



This preview shows how black text looks on a background with the XYZ color 41.7312, 41.9309, 86.0148.



This preview shows how white text looks on a background with the XYZ color 41.7312, 41.9309,

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

41.7312, 41.9309, 86.0148

Protanopia

42.8847, 41.9940, 84.4426

Deuteranopia

43.1324, 42.0712, 86.7361



Tritanopia

36.2057, 42.0562, 57.8392

Trichromacy



Original Color

41.7312, 41.9309, 86.0148

Protanomaly

42.4705, 42.0452, 85.2340

Deuteranomaly

42.7628, 42.1621, 86.7732

Tritanomaly

38.0345, 41.8972, 67.0551

Monochromacy



Original Color

41.7312, 41.9309, 86.0148

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.6166, 41.1720, 58.0835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7312, 41.9309, 86.0148 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(144, 173, 237)` looks like.

```
.text, #text, p{  
    color:rgb(144, 173, 237)  
}
```

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(144, 173, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 173, 237) }
```

Border

The CSS property to change the border of an element to XYZ 41.7312, 41.9309, 86.0148 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(144, 173, 237) }
```


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

```
.border{ border-color:rgb(144, 173, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 173, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 173, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 173, 237);  
box-shadow:4px 4px 4px 4px rgb(144, 173,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7312, 41.9309, 86.0148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 173, 237) }
```

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

```
.background{ background-color: rgb(144,  
173, 237) }
```

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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