

Converting Colors

XYZ(41.9227, 39.7172, 87.7119)

Have a look what the booklet for
XYZ(41.9227, 39.7172, 87.7119)
contains.

XYZ(41.9458, 39.7808, 87.9058)	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(41.9458, 39.7808,
87.9058)**

Conversions

Conversions Part 1

Format	Color
Hex	97A5F0
RGB	151, 165, 240
RGB Percent	59%, 65%, 94%
CMY	0.4078, 0.3529, 0.0588
CMYK	0.37, 0.31, 0.00, 0.06
HSL	231°, 75%, 77%
HSV	231°, 37%, 94%
XYZ	41.9458, 39.7808, 87.9058
YIQ	169.3640, -32.4190, 20.3570

Conversions

Conversions Part 2

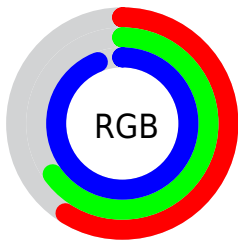
Format	Color
R_{YB}	151, 163, 240
Decimal	9938416
CIE _{Lab}	69.31, 12.95, -39.14
CIE _{LCh}	69, 41.223, 288.302
Yxy	39.7808, 0.2473, 0.2345
Android (android.graphics.Color)	4288128496 (0xFF97A5F0)
YUV	169.3640, 34.8235, -16.1052
Hunter-Lab	63.0720, 8.3347, -38.4842

Details

The XYZ color **41.9458, 39.7808, 87.9058** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **68.7187, 75.1538, 40.1641**, and the grayscale version is **37.7378, 39.7031, 43.2367**.

A 20% lighter version of the original color is **69.6556, 71.8163, 104.7984**, and **19.3807, 17.7577, 47.7535** is the 20% darker color. If you saturate the color by 10%, you get **34.5728, 30.9866, 86.5977**, and if you desaturate by 10%, it is **50.8051, 50.1991, 89.4505**.

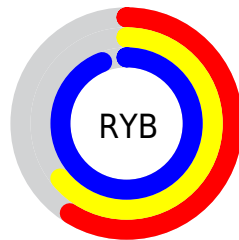
Distribution



Red (59%)

Green (65%)

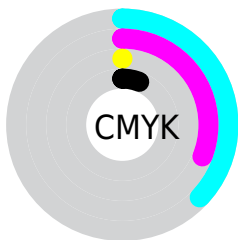
Blue (94%)



Red (59%)

Yellow (64%)

Blue (94%)

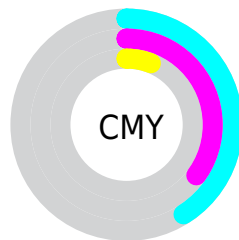


Cyan (37%)

Magenta (31%)

Yellow (0%)

Black (6%)



Cyan (41%)

Magenta (35%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9458, 39.7808, 87.9058 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 41.9458, 39.7808, 87.9058 by changing the saturation by 10% instead.

■ 41.9458, 39.7808,
87.9058

■ 41.9458, 39.7808,
87.9058

345.2537,
345.1988, 541.5880

■ 29.2498, 27.3677,
65.6812

■ 77.3833, 74.8296,
146.3360

■ 19.4151, 17.8496,
47.5588

■ 100.8554, 98.2341,
183.3786

■ 12.0764, 10.8420,
33.1201

128.6503,
126.0711, 226.1977

■ 6.8683, 5.9607,
21.9466

161.1334,
158.7252, 275.2117

■ 3.4255, 2.8212,
13.6197

198.6698,
196.5805, 330.8392

■ 1.3825, 1.0391,
7.7209

241.6252,

■ 0.2437, 0.0000,

240.0217, 393.4987

3.8317

290.3646,
289.4330, 463.6088

■ 0.0000, 0.0000,
1.5335

■ 0.0000, 0.0000,
0.2427

■ 41.9458, 39.7808,
87.9058

■ 41.9458, 39.7808,
87.9058

■ 34.5728, 30.9866,
86.5977

■ 50.8051, 50.1991,
89.4505

■ 28.5994, 23.7294,
85.5117

■ 61.2224, 62.3136,
91.2398

■ 23.9365, 17.9205,
84.6363

■ 73.2699, 76.1976,
93.2847

■ 20.4824, 13.4603,
83.9574

■ 87.0138, 91.9187,
95.5948

■ 18.1200, 10.2357,
83.4595

■ 92.7283, 99.0713,
96.6742

■ 16.7038, 8.1121,
83.1243

■ 16.4135, 7.6617,
83.0526

Harmonies

Analogous

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



35.2904, 39.7808, 89.6578



41.9458, 39.7808, 87.9058



48.1219, 39.7808, 72.3367

Triad

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



41.9458, 39.7808, 87.9058



46.9157, 39.7808, 21.4161



26.6755, 39.7808, 36.3423

Complementary

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



41.9458, 39.7808, 87.9058



68.7187, 75.1538, 40.1641

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.



29.0885, 39.7808, 23.3249



41.9458, 39.7808, 87.9058



40.4477, 39.7808, 16.5448

Square

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



41.9458, 39.7808, 87.9058



51.2137, 39.7808, 32.8555



33.9563, 39.7808, 17.1230



26.9771, 39.7808, 55.7865

Rectangle

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



41.9458, 39.7808, 87.9058



50.8988, 39.7808, 58.2220



33.9563, 39.7808, 17.1230



27.1834, 39.7808, 31.1973

Sweetspot

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



41.9472, 39.7823, 87.9067



78.3902, 80.8975, 106.0909



57.5372, 74.3459, 82.6722



16.3742, 16.8494, 22.6392



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.



41.9472, 39.7823, 87.9067



41.9918, 38.3392, 99.7947



45.7743, 38.2097, 87.4015



15.0980, 15.6301, 19.9428



9.0463, 4.3168, 45.4843



0.8120, 0.4781, 3.8037

Inverse Universe

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



53.7946, 43.3767, 41.1359



57.4169, 43.3987, 38.8144



63.4205, 78.3062, 41.0518



15.8742, 15.7994, 16.8936



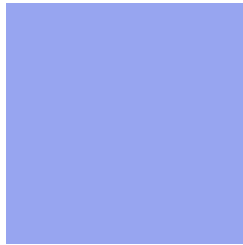
19.8918, 10.2291, 2.0806



1.6848, 0.8630, 0.3312

Previews

White Background



This preview shows how the XYZ color 41.9458, 39.7808, 87.9058 looks on a white background.

Color Contrast Check

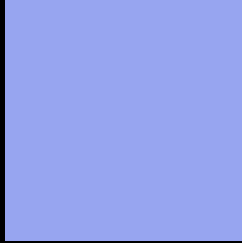
Large Text (above 18pt) WCAG AA × Fail

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 41.9458, 39.7808, 87.9058 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 41.9458, 39.7808, 87.9058

Background



This preview shows how black text looks on a background with the XYZ color 41.9458, 39.7808, 87.9058.



This preview shows how white text looks on a background with the XYZ color 41.9458, 39.7808,

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

41.9458, 39.7808, 87.9058

Protanopia

41.1905, 39.6431, 88.7000

Deuteranopia

40.8746, 39.7683, 87.9598



Tritanopia

35.1627, 39.8230, 53.9775

Trichromacy



Original Color

41.9458, 39.7808, 87.9058

Protanomaly

41.5460, 39.8264, 88.7166

Deuteranomaly

41.2185, 39.6747, 87.9236

Tritanomaly

37.2758, 39.5195, 65.3379

Monochromacy



Original Color

41.9458, 39.7808, 87.9058

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.7532, 39.6268, 57.2360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9458, 39.7808, 87.9058 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(151, 165, 240)` looks like.

```
.text, #text, p{  
    color:rgb(151, 165, 240)  
}
```

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(151, 165, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 165, 240) }
```

Border

The CSS property to change the border of an element to XYZ 41.9458, 39.7808, 87.9058 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(151, 165, 240) }
```


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

```
.border{ border-color:rgb(151, 165, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 165, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 165, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 165, 240);  
box-shadow:4px 4px 4px 4px rgb(151, 165,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9458, 39.7808, 87.9058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 165, 240) }
```

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

```
.background{ background-color: rgb(151,  
165, 240) }
```

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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