

Converting Colors

XYZ(42.5693, 41.5153, 89.1152)

Have a look what the booklet for
XYZ(42.5693, 41.5153, 89.1152)
contains.

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Color

**XYZ(42.4647, 41.3962,
88.9712)**

Conversions

Conversions Part 1

Format	Color
Hex	94AAF1
RGB	148, 170, 241
RGB Percent	58%, 67%, 95%
CMY	0.4196, 0.3333, 0.0549
CMYK	0.39, 0.29, 0.00, 0.05
HSL	226°, 77%, 76%
HSV	226°, 39%, 95%
XYZ	42.4647, 41.3962, 88.9712
YIQ	171.5160, -35.9030, 17.4170

Conversions

Conversions Part 2

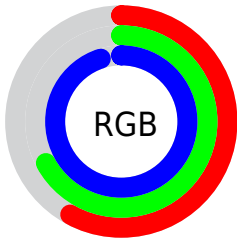
Format	Color
RYB	148, 166, 241
Decimal	9743089
CIELab	70.45, 9.60, -37.92
CIElCh	70, 39.118, 284.201
Yxy	41.3962, 0.2457, 0.2395
Android (android.graphics.Color)	4287933169 (0xFF94AAF1)
YUV	171.5160, 34.2556, -20.6235
Hunter-Lab	64.3399, 5.2163, -36.9502

Details

The XYZ color **42.4647, 41.3962, 88.9712** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.9538, 71.5036, 38.2916**, and the grayscale version is **38.8153, 40.8367, 44.4712**.

A 20% lighter version of the original color is **70.1521, 74.0496, 105.2033**, and **19.7496, 18.7868, 48.4842** is the 20% darker color. If you saturate the color by 10%, you get **35.3397, 32.9569, 87.7185**, and if you desaturate by 10%, it is **50.9828, 51.2719, 90.4292**.

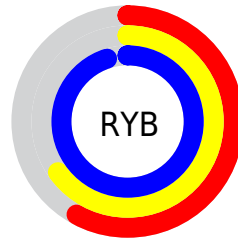
Distribution



Red (58%)

Green (67%)

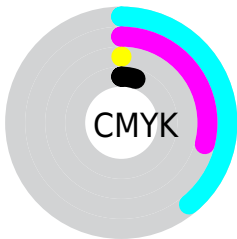
Blue (95%)



Red (58%)

Yellow (65%)

Blue (95%)

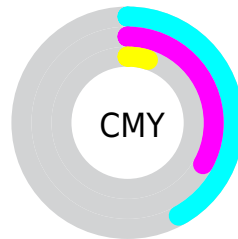


Cyan (39%)

Magenta (29%)

Yellow (0%)

Black (5%)



Cyan (42%)

Magenta (33%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4647, 41.3962, 88.9712 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 42.4647, 41.3962, 88.9712 by changing the saturation by 10% instead.

■ 42.4647, 41.3962,
88.9712

■ 42.4647, 41.3962,
88.9712

347.3646,
351.9738, 545.1620

■ 29.6580, 28.6288,
66.5588

■ 78.1632, 77.2850,
147.8315

■ 19.7260, 18.8002,
48.2668

■ 101.7858,
101.1751, 185.1165

■ 12.3031, 11.5260,
33.6767

129.7443,
129.5417, 228.1961

■ 7.0241, 6.4218,
22.3700

162.4042,
162.7690, 277.4888

■ 3.5237, 3.1032,
13.9281

200.1309,
201.2415, 333.4132

■ 1.4364, 1.1859,
7.9325

243.2896,

■ 0.2819, 0.0501,

245.3435, 396.3879

3.9646

292.2457,
295.4595, 466.8313

■ 0.0000, 0.0000,
1.6060

■ 0.0000, 0.0000,
0.2951

■ 42.4647, 41.3962,
88.9712

■ 42.4647, 41.3962,
88.9712

■ 35.3397, 32.9569,
87.7185

■ 50.9828, 51.2719,
90.4292

■ 29.5268, 25.8802,
86.6590

■ 60.9603, 62.6436,
92.0983

■ 24.9429, 20.0924,
85.7834

■ 72.4643, 75.5731,
93.9876

■ 21.4932, 15.5105,
85.0808

■ 85.5566, 90.1173,
96.1049

■ 19.0676, 12.0406,
84.5389

■ 92.8773, 99.1309,
97.4588

■ 17.5153, 9.5636,
84.1426

■ 17.3409, 9.2780,
84.0967

Harmonies

Analogous

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



36.0678, 41.3962, 88.5688



42.4647, 41.3962, 88.9712



48.6324, 41.3962, 75.6007

Triad

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



42.4647, 41.3962, 88.9712



48.9143, 41.3962, 24.5831



28.5866, 41.3962, 36.0856

Complementary

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



42.4647, 41.3962, 88.9712



66.9538, 71.5036, 38.2916

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.



31.3238, 41.3962, 24.1191



42.4647, 41.3962, 88.9712



42.8168, 41.3962, 18.8239

Square

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



42.4647, 41.3962, 88.9712



52.6222, 41.3962, 36.9159



36.3836, 41.3962, 18.6811



28.5144, 41.3962, 54.3520

Rectangle

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



42.4647, 41.3962, 88.9712



51.5895, 41.3962, 62.3491



36.3836, 41.3962, 18.6811



29.2109, 41.3962, 31.3258

Sweetspot

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



42.4661, 41.3978, 88.9722



77.6695, 80.6411, 106.0794



56.2916, 74.2564, 77.5256



16.2533, 16.8438, 22.6445



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.



42.4661, 41.3978, 88.9722



42.0176, 39.6696, 100.0502



43.3178, 36.2186, 87.9276



15.2008, 15.8356, 19.9770



9.4895, 5.2032, 45.6320



0.8637, 0.5813, 3.8209

Inverse Universe

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



54.1225, 42.7846, 43.4373



57.1178, 42.0839, 40.9237



65.6405, 79.9166, 39.9847



15.9260, 15.8201, 17.1667



20.1155, 10.3186, 3.2586



1.7109, 0.8734, 0.4684

Previews

White Background



This preview shows how the XYZ color 42.4647, 41.3962, 88.9712 looks on a white background.

Color Contrast Check

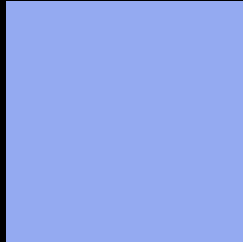
Large Text (above 18pt) WCAG AA × Fail

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 42.4647, 41.3962, 88.9712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

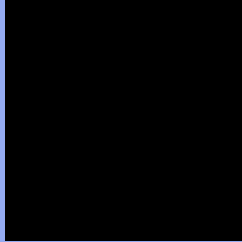
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4647, 41.3962, 88.9712

Background



This preview shows how black text looks on a background with the XYZ color 42.4647, 41.3962, 88.9712.



This preview shows how white text looks on a background with the XYZ color 42.4647, 41.3962,

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

42.4647, 41.3962, 88.9712

Protanopia

42.6428, 41.2108, 88.9261

Deuteranopia

42.4647, 41.3962, 88.9712



Tritanopia

35.8991, 41.3247, 56.5365

Trichromacy



Original Color

42.4647, 41.3962, 88.9712

Protanomaly

42.4596, 41.1164, 88.9175

Deuteranomaly

42.4647, 41.3962, 88.9712

Tritanomaly

37.9734, 41.2793, 66.9390

Monochromacy



Original Color

42.4647, 41.3962, 88.9712

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.7452, 40.9436, 58.6314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4647, 41.3962, 88.9712 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(148, 170, 241)` looks like.

```
.text, #text, p{  
    color:rgb(148, 170, 241)  
}
```

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(148, 170, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 170, 241) }
```

Border

The CSS property to change the border of an element to XYZ 42.4647, 41.3962, 88.9712 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(148, 170, 241) }
```


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

```
.border{ border-color:rgb(148, 170, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 170, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 170, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 170, 241);  
box-shadow:4px 4px 4px 4px rgb(148, 170,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4647, 41.3962, 88.9712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 170, 241) }
```

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

```
.background{ background-color: rgb(148,  
170, 241) }
```

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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