

Converting Colors

XYZ(41.2353, 42.8393, 77.8453)

Have a look what the booklet for
XYZ(41.2353, 42.8393, 77.8453)
contains.

XYZ(41.2854, 42.7447, 78.0261)	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(41.2854, 42.7447,
78.0261)**

Conversions

Conversions Part 1

Format	Color
Hex	93B0E2
RGB	147, 176, 226
RGB Percent	58%, 69%, 89%
CMY	0.4235, 0.3098, 0.1137
CMYK	0.35, 0.22, 0.00, 0.11
HSL	218°, 58%, 73%
HSV	218°, 35%, 89%
XYZ	41.2854, 42.7447, 78.0261
YIQ	173.0290, -33.3340, 9.4020

Conversions

Conversions Part 2

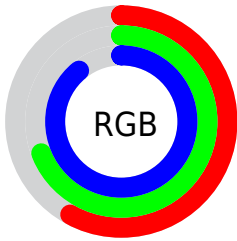
Format	Color
RYB	147, 168, 226
Decimal	9679074
CIELab	71.38, 2.02, -28.32
CIELCh	71, 28.389, 274.084
Yxy	42.7447, 0.2548, 0.2638
Android (android.graphics.Color)	4287869154 (0xFF93B0E2)
YUV	173.0290, 26.1147, -22.8274
Hunter-Lab	65.3794, -1.6959, -24.9932

Details

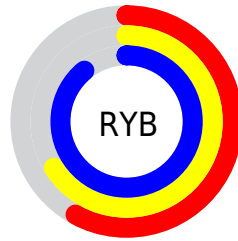
The XYZ color **41.2854, 42.7447, 78.0261** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.5976, 58.2086, 35.8575**, and the grayscale version is **39.6197, 41.6830, 45.3928**.

A 20% lighter version of the original color is **71.2545, 77.0683, 105.7279**, and **18.9776, 19.6447, 40.8218** is the 20% darker color. If you saturate the color by 10%, you get **34.9657, 35.5412, 76.9695**, and if you desaturate by 10%, it is **48.6996, 50.9530, 79.2204**.

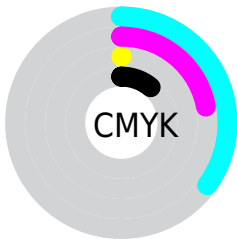
Distribution



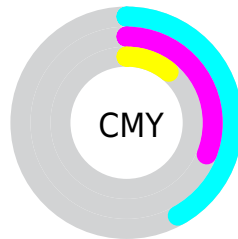
- Red (58%)
- Green (69%)
- Blue (89%)



- Red (58%)
- Yellow (66%)
- Blue (89%)



- Cyan (35%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)



- Cyan (42%)
- Magenta (31%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2854, 42.7447, 78.0261 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 41.2854, 42.7447, 78.0261 by changing the saturation by 10% instead.

■ 41.2854, 42.7447,
78.0261

■ 41.2854, 42.7447,
78.0261

342.5543,
357.5608, 507.7857

■ 28.7308, 29.6849,
57.5788

■ 76.3889, 79.3255,
132.3731

■ 19.0205, 19.5995,
41.0577

■ 99.6686, 103.6152,
167.1100

■ 11.7892, 12.1043,
28.0441

127.2540,
132.4169, 207.4471

■ 6.6715, 6.8147,
18.1196

159.5104,
166.1152, 253.8030

■ 3.3020, 3.3465,
10.8656

196.8033,
205.0943, 306.5963

■ 1.3154, 1.3152,
5.8635

239.4980,

■ 0.1947, 0.1529,

249.7387, 366.2455

2.6948

287.9599,
300.4327, 433.1691

■ 0.0000, 0.0000,
0.9408

■ 0.0000, 0.0000,
0.0000

■ 41.2854, 42.7447,
78.0261

■ 41.2854, 42.7447,
78.0261

■ 34.9657, 35.5412,
76.9695

■ 48.6996, 50.9530,
79.2204

■ 29.6802, 29.2952,
76.0425

■ 57.2557, 60.2007,
80.5545

■ 25.3692, 23.9624,
75.2404

■ 67.0034, 70.5267,
82.0338

■ 21.9641, 19.4927,
74.5571

■ 77.9882, 81.9664,
83.6630

■ 19.3867, 15.8298,
73.9859

■ 88.3881, 93.5920,
85.3588

■ 17.5425, 12.9080,
73.5192

■ 90.7276, 98.2710,
86.1386

■ 16.8182, 11.6722,
73.3188

Harmonies

Analogous

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



36.7434, 42.7447, 74.4429



41.2854, 42.7447, 78.0261



45.9964, 42.7447, 71.9093

Triad

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



41.2854, 42.7447, 78.0261



48.7209, 42.7447, 33.2996



32.9123, 42.7447, 35.9641

Complementary

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



41.2854, 42.7447, 78.0261



56.5976, 58.2086, 35.8575

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.



35.6937, 42.7447, 27.9753



41.2854, 42.7447, 78.0261



44.7762, 42.7447, 26.6618

Square

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



41.2854, 42.7447, 78.0261



50.4970, 42.7447, 44.6928



39.9767, 42.7447, 24.9222



32.1359, 42.7447, 48.4409

Rectangle

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



41.2854, 42.7447, 78.0261



48.5310, 42.7447, 63.7435



39.9767, 42.7447, 24.9222



33.6324, 42.7447, 32.7516

Sweetspot

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



41.2868, 42.7464, 78.0271



81.3487, 85.6120, 106.8450



49.1617, 64.5694, 61.9288



17.0279, 17.9170, 22.8108



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.



41.2868, 42.7464, 78.0271



48.0609, 49.1391, 101.5594



37.9147, 33.4494, 76.4103



13.3620, 14.0632, 17.3979



9.6984, 6.8664, 41.8625



0.7557, 0.6428, 2.9295

Inverse Universe

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



49.6354, 40.1721, 46.2139



60.8070, 46.0056, 52.8103



61.0147, 71.2187, 38.1359



13.9142, 13.7833, 15.3183



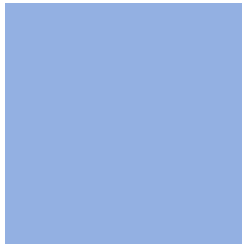
18.8355, 9.6012, 5.7996



1.3477, 0.6824, 0.6238

Previews

White Background



This preview shows how the XYZ color 41.2854, 42.7447, 78.0261 looks on a white background.

Color Contrast Check

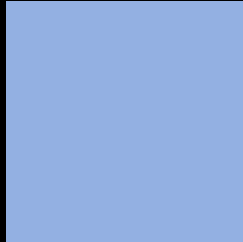
Large Text (above 18pt) WCAG AA × Fail

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 41.2854, 42.7447, 78.0261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

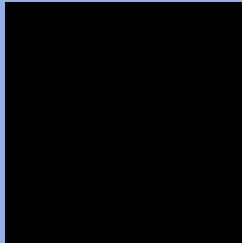
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.2854, 42.7447, 78.0261

Background



This preview shows how black text looks on a background with the XYZ color 41.2854, 42.7447, 78.0261.



This preview shows how white text looks on a background with the XYZ color 41.2854, 42.7447,

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

41.2854, 42.7447, 78.0261

Protanopia

42.7697, 42.4098, 75.7437

Deuteranopia

43.5323, 42.4584, 78.5739



Tritanopia

37.3029, 42.6087, 58.4828

Trichromacy



Original Color

41.2854, 42.7447, 78.0261

Protanomaly

42.1084, 42.3369, 76.4735

Deuteranomaly

42.7133, 42.6013, 78.6447

Tritanomaly

38.7103, 42.5848, 65.2109

Monochromacy



Original Color

41.2854, 42.7447, 78.0261

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.9603, 41.9704, 55.8641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2854, 42.7447, 78.0261 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(147, 176, 226)` looks like.

```
.text, #text, p{  
    color:rgb(147, 176, 226)  
}
```

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(147, 176, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 176, 226) }
```

Border

The CSS property to change the border of an element to XYZ 41.2854, 42.7447, 78.0261 is called "border". The border property can be set on classes, ids or directly on the HTML element.

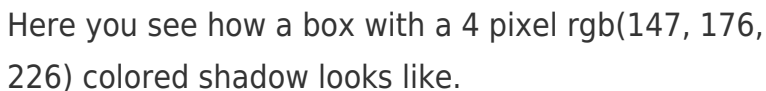
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 176, 226) }
```


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

```
.border{ border-color:rgb(147, 176, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 176, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 176, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 176, 226); box-shadow:4px 4px 4px 4px rgb(147, 176, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2854, 42.7447, 78.0261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 176, 226) }
```

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

```
.background{ background-color: rgb(147,  
176, 226) }
```

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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