

Converting Colors

XYZ(41.8816, 42.7404, 81.6441)

Have a look what the booklet for
XYZ(41.8816, 42.7404, 81.6441)
contains.

XYZ(41.7864, 42.6325, 81.6278)	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(41.7864, 42.6325,
81.6278)**

Conversions

Conversions Part 1

Format	Color
Hex	93AFE7
RGB	147, 175, 231
RGB Percent	58%, 69%, 91%
CMY	0.4235, 0.3137, 0.0941
CMYK	0.36, 0.24, 0.00, 0.09
HSL	220°, 64%, 74%
HSV	220°, 36%, 91%
XYZ	41.7864, 42.6325, 81.6278
YIQ	173.0120, -34.6640, 11.4800

Conversions

Conversions Part 2

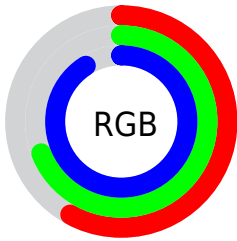
Format	Color
R_{YB}	147, 168, 231
Decimal	9678823
CIE _{Lab}	71.30, 3.88, -31.16
CIE _{LCh}	71, 31.401, 277.093
Yxy	42.6325, 0.2517, 0.2568
Android (android.graphics.Color)	4287868903 (0xFF93AFE7)
YUV	173.0120, 28.5881, -22.8125
Hunter-Lab	65.2936, -0.0278, -28.4168

Details

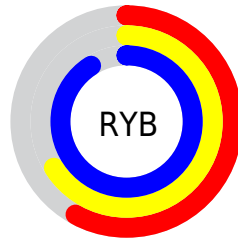
The XYZ color **41.7864, 42.6325, 81.6278** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.5784, 61.8084, 36.3954**, and the grayscale version is **39.5993, 41.6616, 45.3695**.

A 20% lighter version of the original color is **70.9754, 76.5101, 105.6349**, and **19.3350, 19.5882, 43.3193** is the 20% darker color. If you saturate the color by 10%, you get **35.2243, 35.0517, 80.5112**, and if you desaturate by 10%, it is **49.5249, 51.3290, 82.8993**.

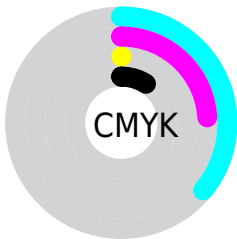
Distribution



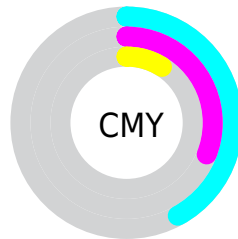
- Red (58%)
- Green (69%)
- Blue (91%)



- Red (58%)
- Yellow (66%)
- Blue (91%)



- Cyan (36%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)



- Cyan (42%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7864, 42.6325, 81.6278 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 41.7864, 42.6325, 81.6278 by changing the saturation by 10% instead.

■ 41.7864, 42.6325,
81.6278

■ 41.7864, 42.6325,
81.6278

344.6034,
357.0982, 520.2526

■ 29.1245, 29.5969,
60.5248

■ 77.1434, 79.1560,
137.4839

■ 19.3197, 19.5328,
43.4137

■ 100.5692,
103.4127, 173.0741

■ 12.0069, 12.0559,
29.8760

128.3137,
132.1784, 214.3304

■ 6.8206, 6.7818,
19.4933

160.7422,
165.8378, 261.6713

■ 3.3955, 3.3260,
11.8468

198.2201,
204.7750, 315.5155

■ 1.3662, 1.3042,
6.5182

241.1126,

■ 0.2320, 0.1445,

249.3746, 376.2814

3.0888

289.7853,
300.0209, 444.3876

■ 0.0000, 0.0000,
1.1402

■ 0.0000, 0.0000,
0.0000

■ 41.7864, 42.6325,
81.6278

■ 41.7864, 42.6325,
81.6278

■ 35.2243, 35.0517,
80.5112

■ 49.5249, 51.3290,
82.8993

■ 29.7729, 28.5331,
79.5403

■ 58.4922, 61.1817,
84.3284

■ 25.3659, 23.0255,
78.7095

■ 68.7429, 72.2351,
85.9217

■ 21.9281, 18.4711,
78.0116

■ 80.3266, 84.5295,
87.6842

■ 19.3723, 14.8047,
77.4386

■ 90.4753, 96.6523,
89.4893

■ 17.5921, 11.9498,
76.9814

■ 91.4239, 98.5496,
89.8055

■ 17.0779, 11.0775,
76.8401

Harmonies

Analogous

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



36.6994, 42.6325, 78.6509



41.7864, 42.6325, 81.6278



46.9517, 42.6325, 73.6620

Triad

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



41.7864, 42.6325, 81.6278



49.1626, 42.6325, 31.0106



31.8769, 42.6325, 36.0052

Complementary

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



41.7864, 42.6325, 81.6278



59.5784, 61.8084, 36.3954

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.



34.7059, 42.6325, 26.8890



41.7864, 42.6325, 81.6278



44.5989, 42.6325, 24.4725

Square

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



41.7864, 42.6325, 81.6278



51.4435, 42.6325, 42.9240



39.2812, 42.6325, 23.1471



31.2653, 42.6325, 50.0999

Rectangle

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



41.7864, 42.6325, 81.6278



49.6476, 42.6325, 64.0585



39.2812, 42.6325, 23.1471



32.5874, 42.6325, 32.3580

Sweetspot

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



41.7878, 42.6341, 81.6288



79.7947, 83.7066, 106.5591



51.2231, 67.6012, 65.9789



16.7070, 17.5148, 22.7501



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.



41.7878, 42.6341, 81.6288



45.7048, 45.7653, 101.0324



39.2763, 34.0710, 80.1083



13.9734, 14.6682, 18.2391



9.6760, 6.4141, 43.1112



0.7980, 0.6399, 3.2134

Inverse Universe

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



51.1278, 40.9530, 45.7690



59.2911, 44.1484, 48.6836



62.8766, 74.2265, 38.6185



14.5742, 14.4469, 15.9579



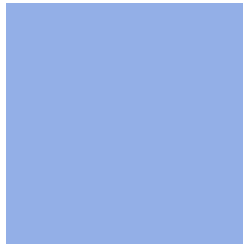
19.2775, 9.8452, 5.0904



1.4664, 0.7443, 0.5967

Previews

White Background



This preview shows how the XYZ color 41.7864, 42.6325, 81.6278 looks on a white background.

Color Contrast Check

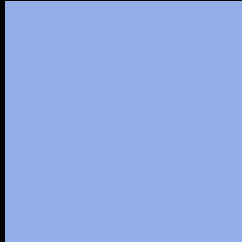
Large Text (above 18pt) WCAG AA × Fail

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 41.7864, 42.6325, 81.6278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

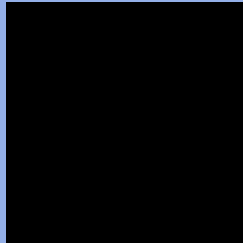
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

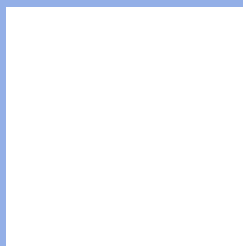
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.7864, 42.6325, 81.6278

Background



This preview shows how black text looks on a background with the XYZ color 41.7864, 42.6325, 81.6278.



This preview shows how white text looks on a background with the XYZ color 41.7864, 42.6325,

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

41.7864, 42.6325, 81.6278

Protanopia

43.1935, 42.5331, 80.0619

Deuteranopia

43.6161, 42.7022, 82.2875



Tritanopia

37.1351, 42.5222, 58.4749

Trichromacy



Original Color

41.7864, 42.6325, 81.6278

Protanomaly

42.7441, 42.5689, 80.8267

Deuteranomaly

43.0266, 42.6819, 82.3146

Tritanomaly

38.7841, 42.5944, 66.4990

Monochromacy



Original Color

41.7864, 42.6325, 81.6278

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.1835, 42.0597, 57.0394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7864, 42.6325, 81.6278 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, 175, 231)` looks like.

```
.text, #text, p{  
    color:rgb(147, 175, 231)  
}
```

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, 175, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 175, 231) }
```

Border

The CSS property to change the border of an element to XYZ 41.7864, 42.6325, 81.6278 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, 175, 231) }
```


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

```
.border{ border-color:rgb(147, 175, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 175, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 175, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 175, 231);  
box-shadow:4px 4px 4px 4px rgb(147, 175,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7864, 42.6325, 81.6278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 175, 231) }
```

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

```
.background{ background-color: rgb(147,  
175, 231) }
```

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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