

Converting Colors

XYZ(42.5087, 40.8472, 78.2530)

Have a look what the booklet for
XYZ(42.5087, 40.8472, 78.2530)
contains.

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Color

**XYZ(42.5841, 40.8649,
78.3163)**

Conversions

Conversions Part 1

Format	Color
Hex	A2A7E3
RGB	162, 167, 227
RGB Percent	64%, 65%, 89%
CMY	0.3647, 0.3451, 0.1098
CMYK	0.29, 0.26, 0.00, 0.11
HSL	235°, 54%, 76%
HSV	235°, 29%, 89%
XYZ	42.5841, 40.8649, 78.3163
YIQ	172.3450, -22.2400, 17.6000

Conversions

Conversions Part 2

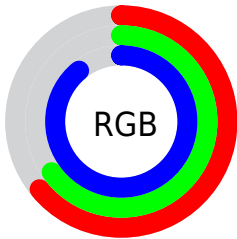
Format	Color
R_{YB}	162, 167, 227
Decimal	10659811
CIE _{Lab}	70.08, 11.56, -30.78
CIE _{LCh}	70, 32.878, 290.578
Yxy	40.8649, 0.2632, 0.2526
Android (android.graphics.Color)	4288849891 (0xFFA2A7E3)
YUV	172.3450, 26.9449, -9.0726
Hunter-Lab	63.9257, 7.0379, -27.8891

Details

The XYZ color **42.5841, 40.8649, 78.3163** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **64.3220, 71.1824, 44.5331**, and the grayscale version is **39.2643, 41.3091, 44.9856**.

A 20% lighter version of the original color is **73.0847, 74.3680, 105.1102**, and **19.7881, 18.4530, 41.0469** is the 20% darker color. If you saturate the color by 10%, you get **34.8499, 31.6343, 76.9430**, and if you desaturate by 10%, it is **51.7753, 51.7716, 79.9378**.

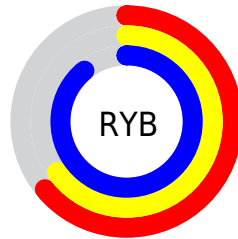
Distribution



Red (64%)

Green (65%)

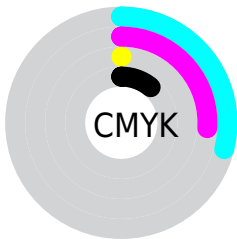
Blue (89%)



Red (64%)

Yellow (65%)

Blue (89%)

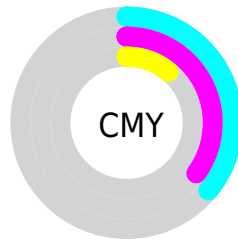


Cyan (29%)

Magenta (26%)

Yellow (0%)

Black (11%)



Cyan (36%)

Magenta (35%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5841, 40.8649, 78.3163 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 42.5841, 40.8649, 78.3163 by changing the saturation by 10% instead.

■ 42.5841, 40.8649,
78.3163

■ 42.5841, 40.8649,
78.3163

347.8492,
349.7557, 508.7967

■ 29.7520, 28.2135,
57.8159

■ 78.3425, 76.4788,
132.7858

■ 19.7976, 18.4867,
41.2469

■ 101.9996,
100.2101, 167.5920

■ 12.3554, 11.3000,
28.1909

129.9957,
128.4034, 208.0038

■ 7.0601, 6.2690,
18.2293

162.6961,
161.4433, 254.4399

■ 3.5464, 3.0093,
10.9436

200.4664,
199.7141, 307.3186

■ 1.4489, 1.1366,
5.9152

243.6717,

■ 0.2906, 0.0090,

243.6001, 367.0586

2.7257

292.6775,
293.4859, 434.0785

■ 0.0000, 0.0000,
0.9563

■ 0.0000, 0.0000,
0.0000

■ 42.5841, 40.8649,
78.3163

■ 42.5841, 40.8649,
78.3163

■ 34.8499, 31.6343,
76.9430

■ 51.7753, 51.7716,
79.9378

■ 28.4939, 23.9922,
75.8029

■ 62.4887, 64.4267,
81.8158

■ 23.4361, 17.8500,
74.8839

■ 74.7905, 78.9043,
83.9619

■ 19.5864, 13.1089,
74.1717

■ 88.7419, 95.2724,
86.3859

■ 16.8435, 9.6577,
73.6501

■ 90.8653, 98.3261,
86.8634

■ 15.0890, 7.3686,
73.3007

■ 14.1601, 6.0781,
73.1006

■ 14.0730, 5.9616,
73.0827

Harmonies

Analogous

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



37.1750, 40.8649, 80.5053



42.5841, 40.8649, 78.3163



47.3752, 40.8649, 66.0381

Triad

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



42.5841, 40.8649, 78.3163



45.7734, 40.8649, 25.3384



29.5196, 40.8649, 39.8276

Complementary

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



42.5841, 40.8649, 78.3163



64.3220, 71.1824, 44.5331

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.



31.3984, 40.8649, 28.2348



42.5841, 40.8649, 78.3163



40.5558, 40.8649, 21.2344

Square

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



42.5841, 40.8649, 78.3163



49.3311, 40.8649, 34.8899



35.3237, 40.8649, 22.1560



29.9544, 40.8649, 55.7185

Rectangle

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



42.5841, 40.8649, 78.3163



49.4147, 40.8649, 55.0697



35.3237, 40.8649, 22.1560



29.8945, 40.8649, 35.3687

Sweetspot

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



42.5855, 40.8665, 78.3172



80.7153, 83.1249, 106.3983



55.4993, 67.8720, 78.9910



16.8148, 17.2477, 22.6929



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.



42.5855, 40.8665, 78.3172



49.5866, 46.2263, 100.9168



47.7935, 42.2174, 78.3035



13.6715, 14.0644, 18.1385



8.2397, 3.5414, 42.6325



0.6401, 0.3242, 3.1608

Inverse Universe

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



51.5750, 44.9628, 42.5213



63.0331, 52.4702, 47.3478



57.7888, 69.8155, 44.6136



14.4218, 14.3859, 15.1554



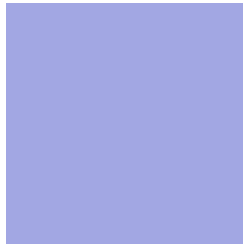
18.5525, 9.5552, 1.2726



1.3867, 0.7124, 0.1771

Previews

White Background



This preview shows how the XYZ color 42.5841, 40.8649, 78.3163 looks on a white background.

Color Contrast Check

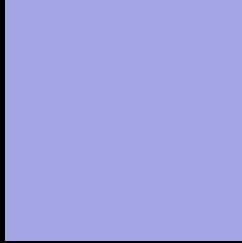
Large Text (above 18pt) WCAG AA × Fail

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 42.5841, 40.8649, 78.3163 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 42.5841, 40.8649, 78.3163

Background



This preview shows how black text looks on a background with the XYZ color 42.5841, 40.8649, 78.3163.



This preview shows how white text looks on a background with the XYZ color 42.5841, 40.8649,

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

42.5841, 40.8649, 78.3163

Protanopia

41.5180, 40.8474, 79.0949

Deuteranopia

41.7724, 40.7194, 78.3310



Tritanopia

37.5396, 40.7730, 53.4684

Trichromacy



Original Color

42.5841, 40.8649, 78.3163

Protanomaly

41.9109, 40.7748, 79.0602

Deuteranomaly

42.1658, 40.9222, 78.3494

Tritanomaly

39.1282, 40.5582, 61.6433

Monochromacy



Original Color

42.5841, 40.8649, 78.3163

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.0376, 40.8801, 55.6496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5841, 40.8649, 78.3163 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(162, 167, 227)` looks like.

```
.text, #text, p{  
    color:rgb(162, 167, 227)  
}
```

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(162, 167, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 167, 227) }
```

Border

The CSS property to change the border of an element to XYZ 42.5841, 40.8649, 78.3163 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(162, 167, 227) }
```


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

```
.border{ border-color:rgb(162, 167, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 167, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 167, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 167, 227);  
box-shadow:4px 4px 4px 4px rgb(162, 167,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5841, 40.8649, 78.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 167, 227) }
```

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

```
.background{ background-color: rgb(162,  
167, 227) }
```

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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