

Converting Colors

XYZ(41.5738, 38.8291, 78.4760)

Have a look what the booklet for
XYZ(41.5738, 38.8291, 78.4760)
contains.

XYZ(41.6488, 38.7726, 78.6875)	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(41.6488, 38.7726,
78.6875)**

Conversions

Conversions Part 1

Format	Color
Hex	A2A1E4
RGB	162, 161, 228
RGB Percent	64%, 63%, 89%
CMY	0.3647, 0.3686, 0.1059
CMYK	0.29, 0.29, 0.00, 0.11
HSL	241°, 55%, 76%
HSV	241°, 29%, 89%
XYZ	41.6488, 38.7726, 78.6875
YIQ	168.9370, -20.9110, 21.0490

Conversions

Conversions Part 2

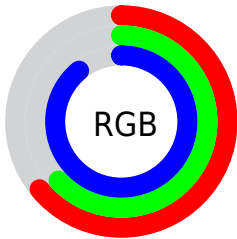
Format	Color
RYB	162, 161, 228
Decimal	10658276
CIELab	68.59, 15.18, -33.64
CIELCh	69, 36.905, 294.284
Yxy	38.7726, 0.2618, 0.2437
Android (android.graphics.Color)	4288848356 (0xFFA2A1E4)
YUV	168.9370, 29.1181, -6.0837
Hunter-Lab	62.2676, 10.4244, -31.3373

Details

The XYZ color **41.6488, 38.7726, 78.6875** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **65.8558, 74.3917, 44.6078**, and the grayscale version is **37.5501, 39.5056, 43.0216**.

A 20% lighter version of the original color is **71.5193, 71.2372, 104.5884**, and **19.2067, 17.3186, 41.3602** is the 20% darker color. If you saturate the color by 10%, you get **33.8598, 29.3727, 77.2843**, and if you desaturate by 10%, it is **50.9817, 50.0485, 80.3727**.

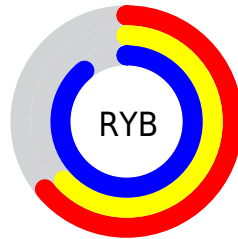
Distribution



Red (64%)

Green (63%)

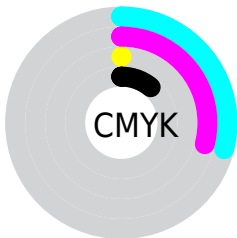
Blue (89%)



Red (64%)

Yellow (63%)

Blue (89%)

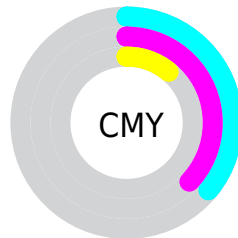


Cyan (29%)

Magenta (29%)

Yellow (0%)

Black (11%)



Cyan (36%)

Magenta (37%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6488, 38.7726, 78.6875 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 41.6488, 38.7726, 78.6875 by changing the saturation by 10% instead.

■ 41.6488, 38.7726,
78.6875

■ 41.6488, 38.7726,
78.6875

344.0415,
340.9227, 510.0882

■ 29.0163, 26.5829,
58.1191

■ 76.9363, 73.2908,
133.3135

■ 19.2375, 17.2602,
41.4891

■ 100.3221, 96.3881,
168.2082

■ 11.9470, 10.4202,
28.3789

128.0229,
123.8900, 208.7154

■ 6.7796, 5.6784,
18.3699

160.4042,
156.1809, 255.2537

■ 3.3697, 2.6505,
11.0437

197.8314,
193.6452, 308.2416

■ 1.3522, 0.9521,
5.9817

240.6698,

■ 0.2218, 0.0000,

236.6674, 368.0976

2.7653

289.2847,
285.6317, 435.2403

■ 0.0000, 0.0000,
0.9761

■ 0.0000, 0.0000,
0.0000

■ 41.6488, 38.7726,
78.6875

■ 41.6488, 38.7726,
78.6875

■ 33.8598, 29.3727,
77.2843

■ 50.9817, 50.0485,
80.3727

■ 27.5279, 21.7428,
76.1453

■ 61.9312, 63.2895,
82.3514

■ 22.5636, 15.7735,
75.2548

■ 74.5702, 78.5848,
84.6376

■ 18.8663, 11.3412,
74.5942

■ 88.9660, 96.0164,
87.2434

■ 16.3212, 8.3054,
74.1423

■ 91.0037, 98.3815,
87.5926

■ 14.7930, 6.4995,
73.8743

■ 14.0788, 5.6628,
73.7504

■ 14.0463, 5.6234,
73.7446

Harmonies

Analogous

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



35.7488, 38.7726, 82.8111



41.6488, 38.7726, 78.6875



46.7055, 38.7726, 63.8264

Triad

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



41.6488, 38.7726, 78.6875



43.7787, 38.7726, 21.1752



26.8009, 38.7726, 39.1045

Complementary

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



41.6488, 38.7726, 78.6875



65.8558, 74.3917, 44.6078

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.



28.4924, 38.7726, 26.1350



41.6488, 38.7726, 78.6875



37.9780, 38.7726, 17.6823

Square

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



41.6488, 38.7726, 78.6875



48.0230, 38.7726, 30.3601



32.4388, 38.7726, 19.2234



27.5638, 38.7726, 56.8169

Rectangle

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



41.6488, 38.7726, 78.6875



48.7084, 38.7726, 51.5067



32.4388, 38.7726, 19.2234



27.0953, 38.7726, 34.1170

Sweetspot

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



41.6501, 38.7741, 78.6884



80.3270, 82.1829, 106.2370



56.4460, 68.6662, 83.6783



16.7201, 17.0182, 22.6535



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.



41.6501, 38.7741, 78.6884



47.5945, 42.6261, 100.3269



49.1264, 42.6283, 79.0383



13.6026, 13.8974, 18.1099



8.1195, 3.2517, 42.5829



0.6071, 0.2439, 3.1471

Inverse Universe

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



58.6059, 47.5311, 78.7593



72.6671, 55.5761, 100.3847



56.5542, 69.5965, 44.1725



14.9854, 14.6113, 18.1233



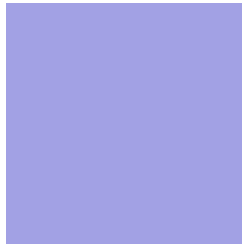
26.2953, 12.6523, 42.0455



1.9461, 0.9362, 3.1228

Previews

White Background



This preview shows how the XYZ color 41.6488, 38.7726, 78.6875 looks on a white background.

Color Contrast Check

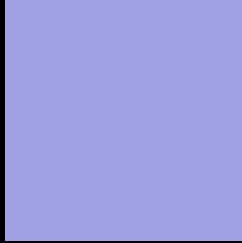
Large Text (above 18pt) WCAG AA × Fail

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 41.6488, 38.7726, 78.6875 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 41.6488, 38.7726, 78.6875

Background



This preview shows how black text looks on a background with the XYZ color 41.6488, 38.7726, 78.6875.



This preview shows how white text looks on a background with the XYZ color 41.6488, 38.7726,

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

41.6488, 38.7726, 78.6875

Protanopia

39.9116, 38.8828, 81.0029

Deuteranopia

39.7147, 38.8459, 78.0779



Tritanopia

36.0588, 38.9407, 50.4155

Trichromacy



Original Color

41.6488, 38.7726, 78.6875

Protanomaly

40.5073, 38.9395, 80.2440

Deuteranomaly

40.4670, 38.9670, 78.0616

Tritanomaly

37.8378, 38.8289, 59.5333

Monochromacy



Original Color

41.6488, 38.7726, 78.6875

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.6564, 39.0971, 54.2243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6488, 38.7726, 78.6875 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, 161, 228)` looks like.

```
.text, #text, p{  
    color:rgb(162, 161, 228)  
}
```

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, 161, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 161, 228) }
```

Border

The CSS property to change the border of an element to XYZ 41.6488, 38.7726, 78.6875 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, 161, 228) }
```


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

```
.border{ border-color:rgb(162, 161, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 161, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 161, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 161, 228);  
box-shadow:4px 4px 4px 4px rgb(162, 161,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6488, 38.7726, 78.6875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 161, 228) }
```

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

```
.background{ background-color: rgb(162,  
161, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor