

Converting Colors

XYZ(45.2666, 42.3028, 77.8156)

Have a look what the booklet for
XYZ(45.2666, 42.3028, 77.8156)
contains.

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Color

**XYZ(45.2254, 42.2424,
77.7215)**

Conversions

Conversions Part 1

Format	Color
Hex	AFA7E2
RGB	175, 167, 226
RGB Percent	69%, 65%, 89%
CMY	0.3137, 0.3451, 0.1137
CMYK	0.23, 0.26, 0.00, 0.11
HSL	248°, 50%, 77%
HSV	248°, 26%, 89%
XYZ	45.2254, 42.2424, 77.7215
YIQ	176.1180, -14.1710, 20.0450

Conversions

Conversions Part 2

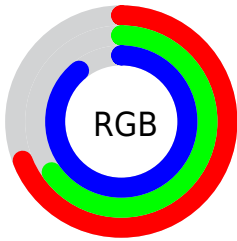
Format	Color
RYB	175, 167, 226
Decimal	11511778
CIELab	71.04, 15.18, -28.68
CIELCh	71, 32.448, 297.903
Yxy	42.2424, 0.2738, 0.2557
Android (android.graphics.Color)	4289701858 (0xFFAFA7E2)
YUV	176.1180, 24.5918, -0.9805
Hunter-Lab	64.9942, 10.4673, -25.4044

Details

The XYZ color **45.2254, 42.2424, 77.7215** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.0861, 72.0892, 47.1506**, and the grayscale version is **41.2106, 43.3568, 47.2155**.

A 20% lighter version of the original color is **77.1263, 76.4515, 105.2994**, and **21.2716, 19.2287, 40.6206** is the 20% darker color. If you saturate the color by 10%, you get **37.3694, 32.5749, 76.2702**, and if you desaturate by 10%, it is **54.4420, 53.6873, 79.4455**.

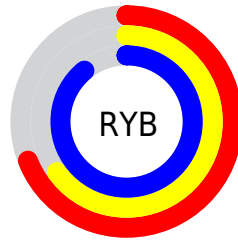
Distribution



Red (69%)

Green (65%)

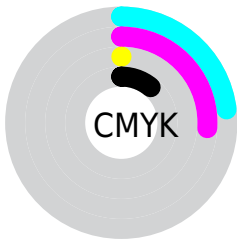
Blue (89%)



Red (69%)

Yellow (65%)

Blue (89%)

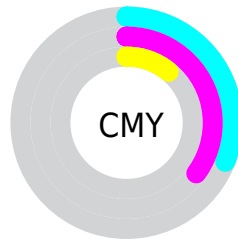


Cyan (23%)

Magenta (26%)

Yellow (0%)

Black (11%)



Cyan (31%)

Magenta (35%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2254, 42.2424, 77.7215 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 45.2254, 42.2424, 77.7215 by changing the saturation by 10% instead.

■ 45.2254, 42.2424,
77.7215

■ 45.2254, 42.2424,
77.7215

358.4540,
355.4868, 506.7233

■ 31.8370, 29.2911,
57.3301

■ 82.2935, 78.5664,
131.9397

■ 21.3920, 19.3012,
40.8592

■ 106.7040,
102.7078, 166.6037

■ 13.5249, 11.8881,
27.8902

135.5192,
131.3482, 206.8623

■ 7.8705, 6.6675,
18.0046

169.1046,
164.8718, 253.1340

■ 4.0633, 3.2551,
10.7838

207.8253,
203.6631, 305.8375

■ 1.7380, 1.2663,
5.8093

252.0470,

■ 0.4799, 0.1149,

248.1064, 365.3911

2.6626

302.1347,
298.5862, 432.2136

■ 0.0000, 0.0000,
0.9245

■ 0.0000, 0.0000,
0.0000

■ 45.2254, 42.2424,
77.7215

■ 45.2254, 42.2424,
77.7215

■ 37.3694, 32.5749,
76.2702

■ 54.4420, 53.6873,
79.4455

■ 30.8051, 24.5903,
75.0750

■ 65.0754, 66.9874,
81.4523

■ 25.4638, 18.1934,
74.1218

■ 77.1838, 82.2221,
83.7547

■ 21.2685, 13.2771,
73.3940

■ 90.0490, 97.9212,
86.1068

■ 18.1336, 9.7209,
72.8728

■ 90.7276, 98.2710,
86.1386

■ 15.9607, 7.3854,
72.5365

■ 14.6318, 6.0990,
72.3583

■ 14.2819, 5.7768,
72.3145

Harmonies

Analogous

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



39.7701, 42.2424, 82.7175



45.2254, 42.2424, 77.7215



49.6380, 42.2424, 63.7395

Triad

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



45.2254, 42.2424, 77.7215



45.9440, 42.2424, 25.0665



30.6132, 42.2424, 44.9116

Complementary

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



45.2254, 42.2424, 77.7215



63.0861, 72.0892, 47.1506

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.



31.9555, 42.2424, 31.8930



45.2254, 42.2424, 77.7215



40.5326, 42.2424, 22.1575

Square

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



45.2254, 42.2424, 77.7215



50.0785, 42.2424, 33.3976



35.4695, 42.2424, 24.3451



31.6292, 42.2424, 61.4177

Rectangle

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



45.2254, 42.2424, 77.7215



51.2224, 42.2424, 52.5351



35.4695, 42.2424, 24.3451



30.8008, 42.2424, 40.0211

Sweetspot

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



45.2268, 42.2441, 77.7225



82.6913, 84.4754, 106.5548



54.7711, 63.9196, 81.4032



17.2320, 17.4958, 22.7188



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.



45.2268, 42.2441, 77.7225



53.9778, 48.7740, 101.1771



52.5500, 46.0194, 78.0652



13.1240, 13.3319, 17.2693



8.2048, 3.3250, 41.2577



0.6251, 0.2595, 2.8624

Inverse Universe

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



57.8389, 48.8698, 72.7155



73.1276, 58.8399, 93.3159



55.0681, 67.9558, 46.7754



14.2109, 13.9020, 16.8807



23.5684, 11.4944, 30.7228



1.6560, 0.8057, 2.2476

Previews

White Background



This preview shows how the XYZ color 45.2254, 42.2424, 77.7215 looks on a white background.

Color Contrast Check

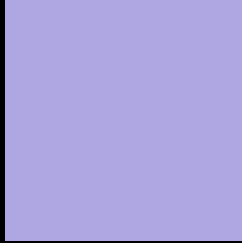
Large Text (above 18pt) WCAG AA × Fail

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 45.2254, 42.2424, 77.7215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

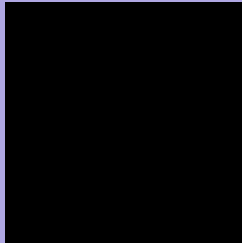
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2254, 42.2424, 77.7215

Background



This preview shows how black text looks on a background with the XYZ color 45.2254, 42.2424, 77.7215.



This preview shows how white text looks on a background with the XYZ color 45.2254, 42.2424,

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

45.2254, 42.2424, 77.7215

Protanopia

42.9959, 42.4313, 80.0527

Deuteranopia

43.2578, 42.3486, 77.1283



Tritanopia

40.3616, 42.2278, 53.6004

Trichromacy



Original Color

45.2254, 42.2424, 77.7215

Protanomaly

43.6882, 42.2434, 79.2500

Deuteranomaly

43.9017, 42.4012, 77.1045

Tritanomaly

42.0182, 42.0480, 61.7786

Monochromacy



Original Color

45.2254, 42.2424, 77.7215

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.5857, 43.0123, 57.0966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2254, 42.2424, 77.7215 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(175, 167, 226)` looks like.

```
.text, #text, p{  
    color:rgb(175, 167, 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(175, 167, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 167, 226) }
```

Border

The CSS property to change the border of an element to XYZ 45.2254, 42.2424, 77.7215 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(175, 167, 226) }
```


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

```
.border{ border-color:rgb(175, 167, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 167, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 167, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 167, 226);  
box-shadow:4px 4px 4px 4px rgb(175, 167,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2254, 42.2424, 77.7215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 167, 226) }
```

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

```
.background{ background-color: rgb(175,  
167, 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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