

Converting Colors

XYZ(45.4080, 43.7041, 79.0483)

Have a look what the booklet for
XYZ(45.4080, 43.7041, 79.0483)
contains.

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Color

**XYZ(45.4122, 43.7090,
78.7162)**

Conversions

Conversions Part 1

Format	Color
Hex	ABACE3
RGB	171, 172, 227
RGB Percent	67%, 67%, 89%
CMY	0.3294, 0.3255, 0.1098
CMYK	0.25, 0.24, 0.00, 0.11
HSL	239°, 50%, 78%
HSV	239°, 25%, 89%
XYZ	45.4122, 43.7090, 78.7162
YIQ	177.9710, -18.2510, 16.8930

Conversions

Conversions Part 2

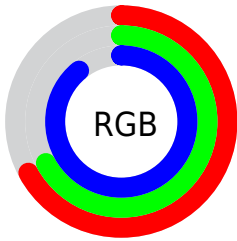
Format	Color
R _Y B	171, 172, 227
Decimal	11250915
CIE Lab	72.03, 11.43, -27.72
CIE LCh	72, 29.982, 292.408
Yxy	43.7090, 0.2706, 0.2604
Android (android.graphics.Color)	4289440995 (0xFFABACE3)
YUV	177.9710, 24.1713, -6.1136
Hunter-Lab	66.1128, 6.9125, -24.3138

Details

The XYZ color **45.4122, 43.7090, 78.7162** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.2261, 73.6641, 49.2575**, and the grayscale version is **42.1859, 44.3828, 48.3329**.

A 20% lighter version of the original color is **77.1976, 78.4891, 105.6889**, and **21.5384, 20.2248, 41.2967** is the 20% darker color. If you saturate the color by 10%, you get **36.9928, 33.5903, 77.2076**, and if you desaturate by 10%, it is **55.3953, 55.6925, 80.5038**.

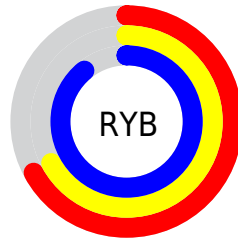
Distribution



Red (67%)

Green (67%)

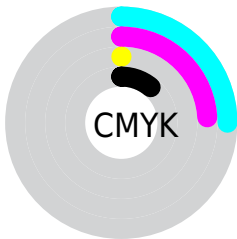
Blue (89%)



Red (67%)

Yellow (67%)

Blue (89%)

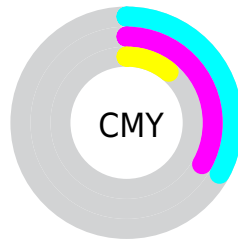


Cyan (25%)

Magenta (24%)

Yellow (0%)

Black (11%)



Cyan (33%)

Magenta (33%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4122, 43.7090, 78.7162 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 45.4122, 43.7090, 78.7162 by changing the saturation by 10% instead.

■ 45.4122, 43.7090,
78.7162

■ 45.4122, 43.7090,
78.7162

359.1961,
361.5195, 510.1880

■ 31.9849, 30.4418,
58.1426

■ 82.5719, 80.7797,
133.3543

■ 21.5054, 20.1742,
41.5078

107.0350,
105.3520, 168.2558

■ 13.6085, 12.5217,
28.3934

135.9073,
134.4614, 208.7704

■ 7.9288, 7.1000,
18.3808

169.5544,
168.4923, 255.3166

■ 4.1008, 3.5247,
11.0515

208.3414,
207.8292, 308.3129

■ 1.7593, 1.4114,
5.9869

252.6338,

■ 0.4930, 0.2251,

252.8564, 368.1779

2.7684

302.7969,
303.9584, 435.3300

■ 0.0000, 0.0000,
0.9776

■ 0.0000, 0.0000,
0.0000

■ 45.4122, 43.7090,
78.7162

■ 45.4122, 43.7090,
78.7162

■ 36.9928, 33.5903,
77.2076

■ 55.3953, 55.6925,
80.5038

■ 30.0540, 25.2377,
75.9611

■ 67.0112, 69.6222,
82.5803

■ 24.5115, 18.5516,
74.9627

■ 80.3299, 85.5814,
84.9588

■ 20.2706, 13.4204,
74.1957

■ 90.8653, 98.3261,
86.8635

■ 17.2252, 9.7185,
73.6417

■ 15.2524, 7.3015,
73.2792

■ 14.2028, 5.9939,
73.0821

■ 13.9093, 5.6342,
73.0281

Harmonies

Analogous

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



40.2566, 43.7090, 81.3782



45.4122, 43.7090, 78.7162



49.8458, 43.7090, 66.9528

Triad

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



45.4122, 43.7090, 78.7162



47.8457, 43.7090, 28.5598



32.5274, 43.7090, 43.9620

Complementary

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



45.4122, 43.7090, 78.7162



66.2261, 73.6641, 49.2575

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.



34.2194, 43.7090, 32.3769



45.4122, 43.7090, 78.7162



42.8588, 43.7090, 24.7526

Square

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



45.4122, 43.7090, 78.7162



51.3293, 43.7090, 37.6300



37.9021, 43.7090, 25.9900



33.0889, 43.7090, 59.1724

Rectangle

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



45.4122, 43.7090, 78.7162



51.6559, 43.7090, 56.6346



37.9021, 43.7090, 25.9900



32.8463, 43.7090, 39.5665

Sweetspot

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



45.4136, 43.7107, 78.7172



83.4453, 86.0907, 106.8269



57.8735, 69.0405, 81.6062



17.6576, 18.1834, 22.8290



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.



45.4136, 43.7107, 78.7172



52.8196, 49.3333, 101.3461



51.4900, 46.5615, 78.9472



13.6034, 13.9282, 18.1158



8.1208, 3.3037, 42.5928



0.6074, 0.2588, 3.1499

Inverse Universe

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



53.6890, 48.4366, 45.5510



65.4848, 56.5900, 50.5808



58.8723, 70.2783, 48.9916



14.3874, 14.3721, 14.9745



18.4925, 9.5312, 0.9567



1.3702, 0.7058, 0.0902

Previews

White Background



This preview shows how the XYZ color 45.4122, 43.7090, 78.7162 looks on a white background.

Color Contrast Check

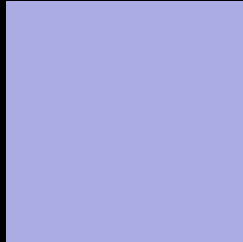
Large Text (above 18pt) WCAG AA × Fail

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 45.4122, 43.7090, 78.7162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

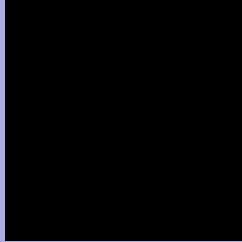
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4122, 43.7090, 78.7162

Background



This preview shows how black text looks on a background with the XYZ color 45.4122, 43.7090, 78.7162.



This preview shows how white text looks on a background with the XYZ color 45.4122, 43.7090,

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

45.4122, 43.7090, 78.7162

Protanopia

44.1792, 43.6106, 80.2179

Deuteranopia

44.7450, 43.6487, 78.7398



Tritanopia

40.7447, 43.5391, 56.1256

Trichromacy



Original Color

45.4122, 43.7090, 78.7162

Protanomaly

44.4642, 43.4879, 79.4493

Deuteranomaly

44.9571, 43.7580, 78.7497

Tritanomaly

42.4811, 43.6739, 63.9485

Monochromacy



Original Color

45.4122, 43.7090, 78.7162

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.1683, 44.1502, 58.4712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4122, 43.7090, 78.7162 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(171, 172, 227)` looks like.

```
.text, #text, p{  
    color:rgb(171, 172, 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(171, 172, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 172, 227) }
```

Border

The CSS property to change the border of an element to XYZ 45.4122, 43.7090, 78.7162 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(171, 172, 227) }
```


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

```
.border{ border-color:rgb(171, 172, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 172, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 172, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 172, 227);  
box-shadow:4px 4px 4px 4px rgb(171, 172,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4122, 43.7090, 78.7162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 172, 227) }
```

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

```
.background{ background-color: rgb(171,  
172, 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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