

Converting Colors

XYZ(42.3291, 41.2781, 66.7534)

Have a look what the booklet for
XYZ(42.3291, 41.2781, 66.7534)
contains.

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Color

**XYZ(42.2131, 41.2045,
66.7012)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA8D2
RGB	170, 168, 210
RGB Percent	67%, 66%, 82%
CMY	0.3333, 0.3412, 0.1765
CMYK	0.19, 0.20, 0.00, 0.18
HSL	243°, 32%, 74%
HSV	243°, 20%, 82%
XYZ	42.2131, 41.2045, 66.7012
YIQ	173.3860, -12.2900, 13.4860

Conversions

Conversions Part 2

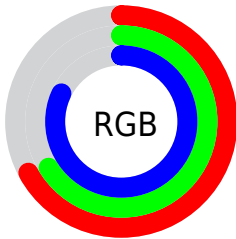
Format	Color
R _Y B	170, 168, 210
Decimal	11184338
CIE Lab	70.32, 9.42, -21.03
CIE LCh	70, 23.045, 294.118
Yxy	41.2045, 0.2812, 0.2745
Android (android.graphics.Color)	4289374418 (0xFFAAA8D2)
YUV	173.3860, 18.0507, -2.9695
Hunter-Lab	64.1907, 5.0514, -16.6753

Details

The XYZ color **42.2131, 41.2045, 66.7012** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.1283, 62.3313, 46.1205**, and the grayscale version is **39.8338, 41.9082, 45.6381**.

A 20% lighter version of the original color is **75.8017, 76.1641, 105.3137**, and **19.4979, 18.6392, 33.5804** is the 20% darker color. If you saturate the color by 10%, you get **34.6453, 32.0060, 65.3252**, and if you desaturate by 10%, it is **51.0674, 51.9976, 68.3185**.

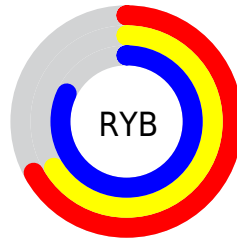
Distribution



Red (67%)

Green (66%)

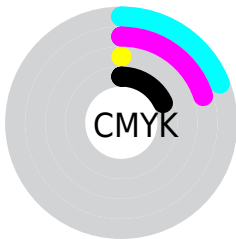
Blue (82%)



Red (67%)

Yellow (66%)

Blue (82%)

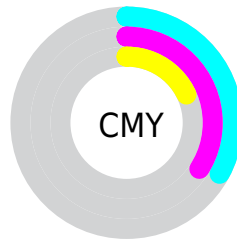


Cyan (19%)

Magenta (20%)

Yellow (0%)

Black (18%)



Cyan (33%)

Magenta (34%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2131, 41.2045, 66.7012 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 42.2131, 41.2045, 66.7012 by changing the saturation by 10% instead.

■ 42.2131, 41.2045,
66.7012

■ 42.2131, 41.2045,
66.7012

346.3422,
351.1746, 467.3529

■ 29.4600, 28.4789,
48.3818

■ 77.7852, 76.9942,
116.1287

■ 19.5751, 18.6870,
33.7672

■ 101.3349,
100.8272, 148.0739

■ 12.1930, 11.4443,
22.4389

129.2142,
129.1313, 185.3981

■ 6.9484, 6.3665,
13.9783

161.7885,
162.2911, 228.5198

■ 3.4759, 3.0692,
7.9670

199.4231,
200.6910, 277.8576

■ 1.4101, 1.1680,
3.9864

242.4833,

■ 0.2634, 0.0353,

244.7152, 333.8301

1.6179

291.3346,
294.7483, 396.8557

■ 0.0000, 0.0000,
0.3035

■ 0.0000, 0.0000,
0.0000

■ 42.2131, 41.2045,
66.7012

■ 42.2131, 41.2045,
66.7012

■ 34.6453, 32.0060,
65.3252

■ 51.0674, 51.9976,
68.3185

■ 28.3003, 24.3217,
64.1764

■ 61.2600, 64.4506,
70.1849

■ 23.1153, 18.0721,
63.2434

■ 72.8447, 78.6311,
72.3115

■ 19.0199, 13.1680,
62.5127

■ 85.8711, 94.6017,
74.7075

■ 15.9364, 9.5106,
61.9693

■ 88.6330, 97.4332,
75.1085

■ 13.7763, 6.9874,
61.5961

■ 12.4365, 5.4656,
61.3730

■ 11.7582, 4.7178,
61.2644

■ 11.7581, 4.7177,
61.2644

Harmonies

Analogous

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



38.4226, 41.2045, 68.9531



42.2131, 41.2045, 66.7012



45.3606, 41.2045, 58.2220

Triad

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



42.2131, 41.2045, 66.7012



43.5855, 41.2045, 30.0086



32.3617, 41.2045, 42.7627

Complementary

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



42.2131, 41.2045, 66.7012



56.1283, 62.3313, 46.1205

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.



33.5585, 41.2045, 33.7246



42.2131, 41.2045, 66.7012



39.9141, 41.2045, 27.1627

Square

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



42.2131, 41.2045, 66.7012



46.1880, 41.2045, 36.8761



36.2647, 41.2045, 28.4047



32.8902, 41.2045, 53.9310

Rectangle

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



42.2131, 41.2045, 66.7012



46.5882, 41.2045, 50.8129



36.2647, 41.2045, 28.4047



32.5730, 41.2045, 39.3998

Sweetspot

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



42.2144, 41.2062, 66.7021



85.2025, 87.9640, 107.0958



50.4850, 58.3839, 69.5819



18.0175, 18.5600, 22.8828



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.



42.2144, 41.2062, 66.7021



60.2480, 57.5461, 102.5398



46.9722, 43.6589, 66.9248



11.2150, 11.4441, 14.8615



7.1961, 2.8900, 37.3710



0.4211, 0.1712, 2.0904

Inverse Universe

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



51.9675, 46.2627, 65.8668



78.0719, 66.7884, 100.9450



50.7564, 59.5620, 45.8691



12.2855, 11.9989, 14.7792



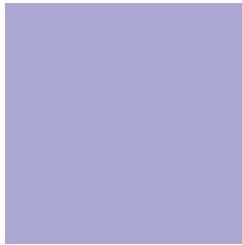
22.5831, 10.9061, 34.3063



1.2704, 0.6129, 1.9585

Previews

White Background



This preview shows how the XYZ color 42.2131, 41.2045, 66.7012 looks on a white background.

Color Contrast Check

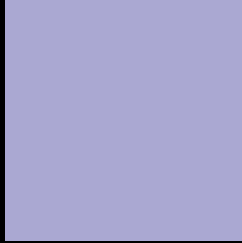
Large Text (above 18pt) WCAG AA × Fail

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 42.2131, 41.2045, 66.7012 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 42.2131, 41.2045, 66.7012

Background



This preview shows how black text looks on a background with the XYZ color 42.2131, 41.2045, 66.7012.



This preview shows how white text looks on a background with the XYZ color 42.2131, 41.2045,

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

42.2131, 41.2045, 66.7012

Protanopia

41.1587, 41.1843, 68.0674

Deuteranopia

41.9977, 41.0934, 66.6911



Tritanopia

39.3413, 41.1572, 52.3250

Trichromacy



Original Color

42.2131, 41.2045, 66.7012

Protanomaly

41.4629, 41.0784, 67.3716

Deuteranomaly

41.9977, 41.0934, 66.6911

Tritanomaly

40.3496, 41.2814, 57.4712

Monochromacy



Original Color

42.2131, 41.2045, 66.7012

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.4391, 41.4416, 52.3220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2131, 41.2045, 66.7012 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(170, 168, 210)` looks like.

```
.text, #text, p{  
    color:rgb(170, 168, 210)  
}
```

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(170, 168, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 168, 210) }
```

Border

The CSS property to change the border of an element to XYZ 42.2131, 41.2045, 66.7012 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(170, 168, 210) }
```


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

```
.border{ border-color:rgb(170, 168, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 168, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 168, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 168, 210);  
box-shadow:4px 4px 4px 4px rgb(170, 168,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2131, 41.2045, 66.7012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 168, 210) }
```

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

```
.background{ background-color: rgb(170,  
168, 210) }
```

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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