

Converting Colors

XYZ(45.2445, 42.1776, 56.4919)

Have a look what the booklet for
XYZ(45.2445, 42.1776, 56.4919)
contains.

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Color

**XYZ(45.0731, 42.0980,
56.2022)**

Conversions

Conversions Part 1

Format	Color
Hex	C1A5C1
RGB	193, 165, 193
RGB Percent	76%, 65%, 76%
CMY	0.2431, 0.3529, 0.2431
CMYK	0.00, 0.15, 0.00, 0.24
HSL	300°, 18%, 70%
HSV	300°, 15%, 76%
XYZ	45.0731, 42.0980, 56.2022
YIQ	176.5640, 7.7000, 14.6440

Conversions

Conversions Part 2

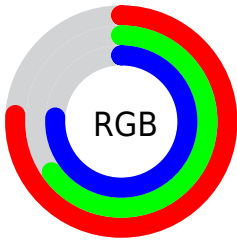
Format	Color
R_{YB}	193, 165, 193
Decimal	12690881
CIE Lab	70.94, 15.17, -10.54
CIE LCh	71, 18.475, 325.218
Yxy	42.0980, 0.3144, 0.2936
Android (android.graphics.Color)	4290880961 (0xFFC1A5C1)
YUV	176.5640, 8.1029, 14.4144
Hunter-Lab	64.8830, 10.4557, -5.9394

Details

The XYZ color **45.0731, 42.0980, 56.2022** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.3802, 48.8571, 42.8490**, and the grayscale version is **41.5186, 43.6808, 47.5684**.

A 20% lighter version of the original color is **82.1164, 78.3499, 100.4176**, and **21.2128, 19.1633, 27.0069** is the 20% darker color. If you saturate the color by 10%, you get **41.8518, 35.6547, 55.1288**, and if you desaturate by 10%, it is **48.8223, 49.5956, 57.4525**.

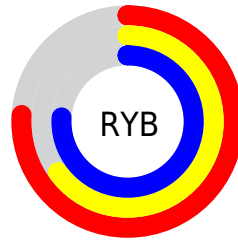
Distribution



Red (76%)

Green (65%)

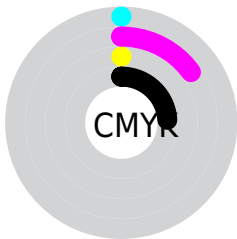
Blue (76%)



Red (76%)

Yellow (65%)

Blue (76%)

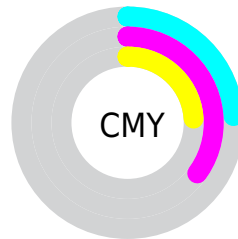


Cyan (0%)

Magenta (15%)

Yellow (0%)

Black (24%)



Cyan (24%)


Magenta (35%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0731, 42.0980, 56.2022 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 45.0731, 42.0980, 56.2022 by changing the saturation by 10% instead.

 45.0731, 42.0980,
56.2022

 45.0731, 42.0980,
56.2022


357.8483,
354.8890, 427.8628

 31.7165, 29.1780,
39.9600


 82.0665, 78.3479,
100.7889

 21.2996, 19.2155,
27.1938


 106.4340,
102.4467, 129.9705

 13.4569, 11.8261,
17.4851


135.2026,
131.0405, 164.3022

 7.8231, 6.6254,
10.4154

168.7375,
164.5137, 204.2027

 4.0328, 3.2290,
5.5660

207.4042,
203.2508, 250.0904

 1.7207, 1.2524,
2.5186

251.5680,

 0.4692, 0.1039,

247.6361, 302.3840

0.8500

301.5942,
298.0541, 361.5019

■ 0.0000, 0.0000,
0.0000

■ 45.0731, 42.0980,
56.2022

■ 45.0731, 42.0980,
56.2022

■ 41.8518, 35.6547,
55.1288

■ 48.8223, 49.5956,
57.4525

■ 39.1310, 30.2132,
54.2219

■ 53.1175, 58.1860,
58.8843

■ 36.8869, 25.7250,
53.4737

■ 57.9807, 67.9125,
60.5055

■ 35.0920, 22.1352,
52.8754

■ 63.4317, 78.8143,
62.3225

■ 33.7161, 19.3834,
52.4166

■ 67.3785, 86.7080,
63.6382

■ 32.7252, 17.4016,
52.0863

■ 67.3785, 86.7080,
63.6383

■ 32.0801, 16.1116,
51.8712

■ 67.3785, 86.7080,
63.6383

■ 31.7335, 15.4182,
51.7556

■ 67.3785, 86.7080,
63.6384

■ 31.6183, 15.1879,
51.7171

■ 67.3785, 86.7080,
63.6385

Harmonies

Analogous

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



42.5877, 42.0980, 62.9448



45.0731, 42.0980, 56.2022



46.2049, 42.0980, 47.2652

Triad

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



45.0731, 42.0980, 56.2022



40.5083, 42.0980, 30.9370



34.8940, 42.0980, 53.4447

Complementary

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



45.0731, 42.0980, 56.2022



41.3802, 48.8571, 42.8490

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.



34.4003, 42.0980, 44.4389



45.0731, 42.0980, 56.2022



37.5440, 42.0980, 32.1500

Square

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



45.0731, 42.0980, 56.2022



43.4848, 42.0980, 33.2785



35.3463, 42.0980, 36.8326



36.7309, 42.0980, 61.2151

Rectangle

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



45.0731, 42.0980, 56.2022



45.9995, 42.0980, 41.5310



35.3463, 42.0980, 36.8326



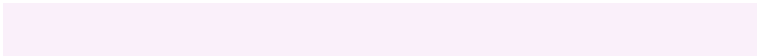
34.5696, 42.0980, 50.4320

Sweetspot

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



45.0744, 42.0998, 56.2031



87.7600, 89.4650, 103.0033



38.5997, 38.7620, 55.9002



18.7101, 18.9585, 22.0585



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.0744, 42.0998, 56.2031



79.0421, 72.0293, 100.0971



43.5856, 41.5043, 48.3633



10.4973, 10.2475, 12.7095



21.0296, 10.1016, 34.3975



0.9086, 0.4365, 1.4862

Inverse Universe

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



45.0744, 42.0998, 56.2031



79.0421, 72.0293, 100.0971



42.7252, 49.3951, 49.9317



10.4973, 10.2475, 12.7095



21.0296, 10.1016, 34.3975



0.9086, 0.4365, 1.4862

Previews

White Background



This preview shows how the XYZ color 45.0731, 42.0980, 56.2022 looks on a white background.

Color Contrast Check

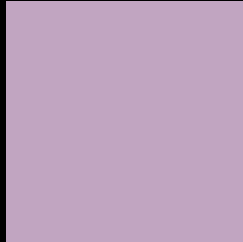
Large Text (above 18pt) WCAG AA × Fail

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 45.0731, 42.0980, 56.2022 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 45.0731, 42.0980, 56.2022

Background



This preview shows how black text looks on a background with the XYZ color 45.0731, 42.0980, 56.2022.



This preview shows how white text looks on a background with the XYZ color 45.0731, 42.0980,

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

45.0731, 42.0980, 56.2022

Protanopia

41.5231, 42.1283, 59.3692

Deuteranopia

42.9938, 42.1268, 55.7344



Tritanopia

43.5428, 42.0091, 48.9936

Trichromacy



Original Color

45.0731, 42.0980, 56.2022

Protanomaly

42.5119, 41.8264, 58.0572

Deuteranomaly

43.7668, 42.2501, 55.7175

Tritanomaly

44.1314, 41.9817, 51.6762

Monochromacy



Original Color

45.0731, 42.0980, 56.2022

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.0193, 43.3733, 50.9043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0731, 42.0980, 56.2022 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(193, 165, 193)` looks like.

```
.text, #text, p{  
    color:rgb(193, 165, 193)  
}
```

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(193, 165, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 165, 193) }
```

Border

The CSS property to change the border of an element to XYZ 45.0731, 42.0980, 56.2022 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(193, 165, 193) }
```


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

```
.border{ border-color:rgb(193, 165, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 165, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 165, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 165, 193);  
box-shadow:4px 4px 4px 4px rgb(193, 165,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0731, 42.0980, 56.2022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 165, 193) }
```

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

```
.background{ background-color: rgb(193,  
165, 193) }
```

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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