

Converting Colors

XYZ(42.1654, 22.9314, 56.8474)

Have a look what the booklet for
XYZ(42.1654, 22.9314, 56.8474)
contains.

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Color

**XYZ(42.1654, 22.9314,
56.8474)**

Conversions

Conversions Part 1

Format	Color
Hex	DE3CC8
RGB	222, 60, 200
RGB Percent	87%, 24%, 78%
CMY	0.1294, 0.7647, 0.2157
CMYK	0.00, 0.73, 0.10, 0.13
HSL	308°, 71%, 55%
HSV	308°, 73%, 87%
XYZ	42.1654, 22.9314, 56.8474
YIQ	124.3980, 51.6120, 77.8840

Conversions

Conversions Part 2

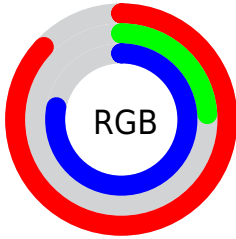
Format	Color
R _{YB}	222, 60, 200
Decimal	14564552
CIE _{Lab}	55.00, 75.30, -38.63
CIE _{LCh}	55, 84.626, 332.841
Y _{xy}	22.9314, 0.3458, 0.1880
Android (android.graphics.Color)	4292754632 (0xFFDE3CC8)
YUV	124.3980, 37.2718, 85.5970
Hunter-Lab	47.8867, 73.3716, -36.8637

Details

The XYZ color **42.1654, 22.9314, 56.8474** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **29.5089, 53.8134, 16.8162**, and the grayscale version is **19.1597, 20.1575, 21.9515**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **20.2151, 9.8309, 27.6202** is the 20% darker color. If you saturate the color by 10%, you get **40.8879, 20.9343, 54.7002**, and if you desaturate by 10%, it is **43.9389, 25.9084, 59.1946**.

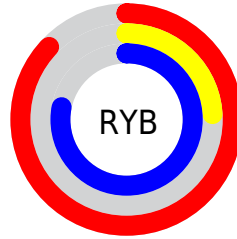
Distribution



Red (87%)

Green (24%)

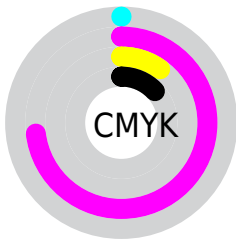
Blue (78%)



Red (87%)

Yellow (24%)

Blue (78%)

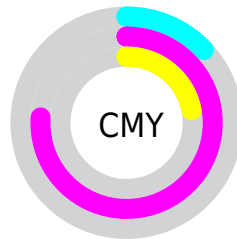


Cyan (0%)

Magenta (73%)

Yellow (10%)

Black (13%)



Cyan (13%)


Magenta (76%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1654, 22.9314, 56.8474 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 42.1654, 22.9314, 56.8474 by changing the saturation by 10% instead.

 42.1654, 22.9314,
56.8474


 42.1654, 22.9314,
56.8474

346.1481,
267.3725, 430.3550


 29.4225, 14.5429,
40.4742


 77.7135, 48.2807,
101.7406


 19.5466, 8.4992,
27.5919


 101.2494, 66.0102,
131.0977


 12.1722, 4.4160,
17.7819

 129.1137, 87.6221,
165.6198

 6.9341, 1.9089,
10.6257

 161.6717,
113.5009, 205.7255

 3.4669, 0.5537,
5.7047

 199.2887,
144.0310, 251.8334

 1.4052, 0.0000,
2.6005

242.3303,

 0.2599, 0.0000,

179.5966, 304.3618

0.8927

291.1616,
220.5823, 363.7295

■ 0.0000, 0.0000,
0.0000

■ 42.1654, 22.9314,
56.8474

■ 42.1654, 22.9314,
56.8474

■ 40.8879, 20.9343,
54.7002

■ 43.9389, 25.9084,
59.1946

■ 40.0384, 19.7826,
52.7296


■ 46.2604, 29.9706,
61.7587


■ 39.6224, 19.3289,
51.4249


■ 49.1777, 35.2133,
64.5561


■ 52.7331, 41.7207,
67.6011

■ 56.9646, 49.5691,
70.9065

 61.9075, 58.8289,
74.4842

 67.5946, 69.5654,
78.3454

 74.0564, 81.8399,
82.5005

 79.7685, 92.6033,
86.4415

Harmonies

Analogous

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



33.1449, 22.9314, 98.6351



42.1654, 22.9314, 56.8474



45.3006, 22.9314, 22.4886

Triad

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



42.1654, 22.9314, 56.8474



20.9116, 22.9314, 0.7207



9.8606, 22.9314, 64.8940

Complementary

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



42.1654, 22.9314, 56.8474



29.5089, 53.8134, 16.8162

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.



8.2654, 22.9314, 27.6241



42.1654, 22.9314, 56.8474



13.3871, 22.9314, 1.8391

Square

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



42.1654, 22.9314, 56.8474



31.1342, 22.9314, 1.4240



9.3418, 22.9314, 8.0061



14.5404, 22.9314, 105.1894

Rectangle

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



42.1654, 22.9314, 56.8474



43.0655, 22.9314, 9.7792



9.3418, 22.9314, 8.0061



9.0183, 22.9314, 50.9455

Sweetspot

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



42.1662, 22.9325, 56.8478



78.4878, 68.7998, 97.4471



18.2469, 10.2829, 70.1311



16.4360, 14.0483, 20.5835



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.



42.1662, 22.9325, 56.8478



55.2453, 27.6295, 73.3151



35.0950, 20.1040, 19.6115



14.2107, 13.9019, 16.8800



23.5651, 11.4930, 30.7052



1.6558, 0.8056, 2.2465

Inverse Universe

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



42.1662, 22.9325, 56.8478



55.2453, 27.6295, 73.3151



34.5610, 55.8342, 43.4200



14.2107, 13.9019, 16.8800



23.5651, 11.4930, 30.7052



1.6558, 0.8056, 2.2465

Previews

White Background



This preview shows how the XYZ color 42.1654, 22.9314, 56.8474 looks on a white background.

Color Contrast Check

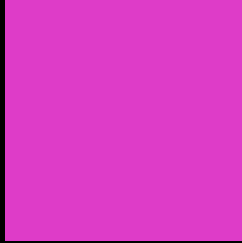
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.1654, 22.9314, 56.8474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

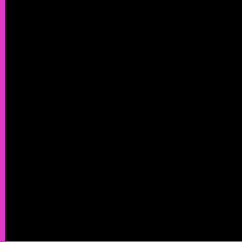
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.1654, 22.9314, 56.8474

Background



This preview shows how black text looks on a background with the XYZ color 42.1654, 22.9314, 56.8474.



This preview shows how white text looks on a background with the XYZ color 42.1654, 22.9314,

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

42.1654, 22.9314, 56.8474

Protanopia

27.5141, 23.5579, 97.7047

Deuteranopia

23.8410, 23.2653, 51.9493



Tritanopia

33.4543, 22.9226, 14.7178

Trichromacy



Original Color

42.1654, 22.9314, 56.8474



Protanomaly

27.3169, 19.5502, 80.9311



Deuteranomaly

27.5517, 20.5775, 53.5587



Tritanomaly

35.7801, 22.4111, 25.7325

Monochromacy



Original Color

42.1654, 22.9314, 56.8474



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

24.8184, 19.0479, 32.0743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1654, 22.9314, 56.8474 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(222, 60, 200)` looks like.

```
.text, #text, p{  
    color:rgb(222, 60, 200)  
}
```

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(222, 60, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 60, 200) }
```

Border

The CSS property to change the border of an element to XYZ 42.1654, 22.9314, 56.8474 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(222, 60, 200) }
```


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

```
.border{ border-color:rgb(222, 60, 200) }
```

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

Here you see how a box with a 4 pixel rgb(222, 60, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 60, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 60, 200);  
box-shadow:4px 4px 4px 4px rgb(222, 60,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1654, 22.9314, 56.8474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 60, 200) }
```

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

```
.background{ background-color: rgb(222, 60,  
200) }
```

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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