

Converting Colors

XYZ(55.4618, 42.0353, 72.9455)

Have a look what the booklet for
XYZ(55.4618, 42.0353, 72.9455)
contains.

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Color

**XYZ(55.6768, 42.2411,
72.9290)**

Conversions

Conversions Part 1

Format	Color
Hex	E691DC
RGB	230, 145, 220
RGB Percent	90%, 57%, 86%
CMY	0.0980, 0.4314, 0.1373
CMYK	0.00, 0.37, 0.04, 0.10
HSL	307°, 63%, 74%
HSV	307°, 37%, 90%
XYZ	55.6768, 42.2411, 72.9290
YIQ	178.9650, 26.5850, 41.3450

Conversions

Conversions Part 2

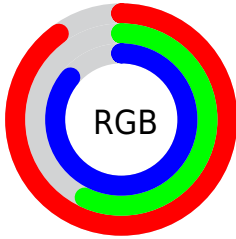
Format	Color
R _{YB}	230, 145, 220
Decimal	15110620
CIE Lab	71.04, 43.20, -24.93
CIE LCh	71, 49.875, 330.016
Yxy	42.2411, 0.3259, 0.2472
Android (android.graphics.Color)	4293300700 (0xFFE691DC)
YUV	178.9650, 20.2303, 44.7577
Hunter-Lab	64.9932, 39.1751, -21.0343

Details

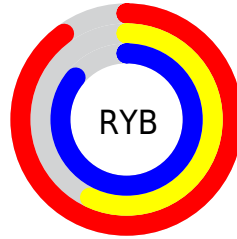
The XYZ color **55.6768, 42.2411, 72.9290** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **45.8921, 64.9813, 41.1368**, and the grayscale version is **42.7161, 44.9406, 48.9403**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **27.8523, 19.2551, 37.8459** is the 20% darker color. If you saturate the color by 10%, you get **52.1565, 35.7687, 70.0019**, and if you desaturate by 10%, it is **59.9170, 50.1424, 76.1256**.

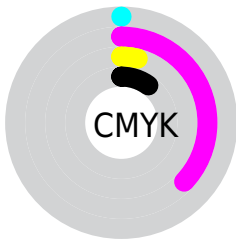
Distribution



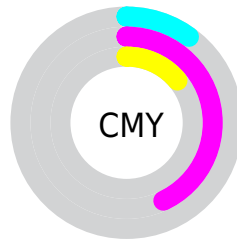
- Red (90%)
- Green (57%)
- Blue (86%)



- Red (90%)
- Yellow (57%)
- Blue (86%)



- Cyan (0%)
- Magenta (37%)
- Yellow (4%)
- Black (10%)




- Cyan (10%)
- Magenta (43%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6768, 42.2411, 72.9290 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 55.6768, 42.2411, 72.9290 by changing the saturation by 10% instead.


 55.6768, 42.2411,
72.9290


 55.6768, 42.2411,
72.9290


398.5672,
355.4814, 489.8329

 40.1798, 29.2901,
53.4264


 97.6744, 78.5644,
125.0964

 27.8636, 19.3004,
37.7533


 124.9058,
102.7055, 158.5983

 18.3628, 11.8875,
25.4909


156.7793,
131.3454, 197.6038

 11.3120, 6.6671,
16.2208

193.6604,
164.8686, 242.5313

 6.3460, 3.2548,
9.5245

235.9144,
203.6594, 293.7994

 3.0992, 1.2662,
4.9834

283.9066,

 1.2064, 0.1148,

248.1022, 351.8267

2.1789

338.0024,
298.5814, 417.0317

■ 0.1114, 0.0000,
0.6622

■ 0.0000, 0.0000,
0.0000

■ 55.6768, 42.2411,
72.9290

■ 55.6768, 42.2411,
72.9290

■ 52.1565, 35.7687,
70.0019

■ 59.9170, 50.1424,
76.1256

■ 49.3088, 30.6330,
67.3270

■ 64.9126, 59.5461,
79.6023

■ 47.0872, 26.7403,
64.8892

■ 70.7017, 70.5273,
83.3724

■ 45.4373, 23.9820,
62.6702

■ 77.3186, 83.1546,
87.4474

44.2957, 22.2311,
60.6488

83.1776, 94.2568,
91.2990

43.5804, 21.3236,
58.7973

83.5685, 94.4132,
93.3572

43.4059, 21.1321,
58.2534

83.9653, 94.5719,
95.4467

84.3680, 94.7330,
97.5677

84.7768, 94.8965,
99.7205

Harmonies

Analogous

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



48.7036, 42.2411, 98.2254



55.6768, 42.2411, 72.9290



58.3845, 42.2411, 45.9805

Triad

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



55.6768, 42.2411, 72.9290



40.1444, 42.2411, 13.6876



27.8187, 42.2411, 72.9594

Complementary

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



55.6768, 42.2411, 72.9290



45.8921, 64.9813, 41.1368

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.



26.1708, 42.2411, 46.0063



55.6768, 42.2411, 72.9290



32.6596, 42.2411, 16.6162

Square

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



55.6768, 42.2411, 72.9290



48.6947, 42.2411, 16.6097



27.8152, 42.2411, 26.6711



32.6664, 42.2411, 98.2467

Rectangle

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



55.6768, 42.2411, 72.9290



57.1518, 42.2411, 32.0146



27.8152, 42.2411, 26.6711



26.9047, 42.2411, 63.5435

Sweetspot

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



55.6781, 42.2430, 72.9299



86.2185, 83.1801, 103.3573



37.9118, 32.9265, 79.2212



18.2402, 17.3978, 21.9834



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.



55.6781, 42.2430, 72.9299



67.0293, 47.2436, 89.4321



50.7542, 40.2734, 47.0010



14.9182, 14.5845, 17.7699



24.6035, 11.9756, 33.1364



1.8389, 0.8933, 2.5581

Inverse Universe

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



55.6781, 42.2430, 72.9299



67.0293, 47.2436, 89.4321



50.1014, 66.6651, 63.3027



14.9182, 14.5845, 17.7699



24.6035, 11.9756, 33.1364



1.8389, 0.8933, 2.5581

Previews

White Background



This preview shows how the XYZ color 55.6768, 42.2411, 72.9290 looks on a white background.

Color Contrast Check

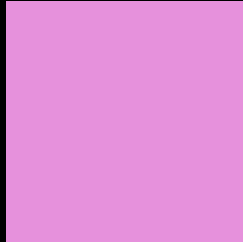
Large Text (above 18pt) WCAG AA × Fail

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 55.6768, 42.2411, 72.9290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

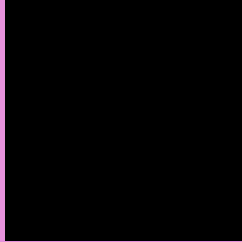
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.6768, 42.2411, 72.9290

Background



This preview shows how black text looks on a background with the XYZ color 55.6768, 42.2411, 72.9290.



This preview shows how white text looks on a background with the XYZ color 55.6768, 42.2411,

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

55.6768, 42.2411, 72.9290

Protanopia

43.8071, 42.6663, 88.3646

Deuteranopia

43.4062, 42.5782, 70.2206



Tritanopia

49.2949, 42.2549, 42.1171

Trichromacy



Original Color

55.6768, 42.2411, 72.9290



Protanomaly

46.9197, 41.6689, 82.6608



Deuteranomaly

47.1829, 42.0569, 71.2766



Tritanomaly

51.4552, 42.1704, 51.8821

Monochromacy



Original Color

55.6768, 42.2411, 72.9290



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

46.8450, 43.5382, 56.9737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6768, 42.2411, 72.9290 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(230, 145, 220)` looks like.

```
.text, #text, p{  
    color:rgb(230, 145, 220)  
}
```

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(230, 145, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 145, 220) }
```

Border

The CSS property to change the border of an element to XYZ 55.6768, 42.2411, 72.9290 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(230, 145, 220) }
```


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

```
.border{ border-color:rgb(230, 145, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 145, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 145, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 145, 220);  
box-shadow:4px 4px 4px 4px rgb(230, 145,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6768, 42.2411, 72.9290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 145, 220) }
```

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

```
.background{ background-color: rgb(230,  
145, 220) }
```

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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