

Converting Colors

XYZ(55.6232, 42.9887, 76.7716)

Have a look what the booklet for
XYZ(55.6232, 42.9887, 76.7716)
contains.

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Color

**XYZ(55.7021, 43.0999,
76.6175)**

Conversions

Conversions Part 1

Format	Color
Hex	E295E1
RGB	226, 149, 225
RGB Percent	89%, 58%, 88%
CMY	0.1137, 0.4157, 0.1176
CMYK	0.00, 0.34, 0.00, 0.11
HSL	301°, 57%, 74%
HSV	301°, 34%, 89%
XYZ	55.7021, 43.0999, 76.6175
YIQ	180.6870, 21.4960, 39.9600

Conversions

Conversions Part 2

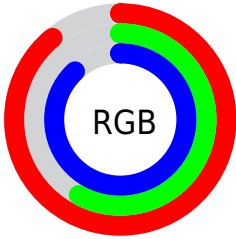
Format	Color
R _Y B	226, 149, 225
Decimal	14849505
CIE Lab	71.62, 40.74, -26.82
CIE LCh	72, 48.772, 326.644
Yxy	43.0999, 0.3175, 0.2457
Android (android.graphics.Color)	4293039585 (0xFFE295E1)
YUV	180.6870, 21.8463, 39.7395
Hunter-Lab	65.6505, 36.5624, -23.2391

Details

The XYZ color **55.7021, 43.0999, 76.6175** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **45.0976, 62.9858, 38.6371**, and the grayscale version is **43.6310, 45.9033, 49.9886**.

A 20% lighter version of the original color is **80.8829, 71.6657, 104.1776**, and **27.8008, 19.7030, 40.3680** is the 20% darker color. If you saturate the color by 10%, you get **52.4279, 36.6148, 75.3291**, and if you desaturate by 10%, it is **59.6728, 50.9763, 78.1394**.

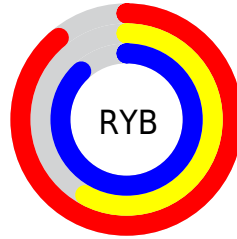
Distribution



Red (89%)

Green (58%)

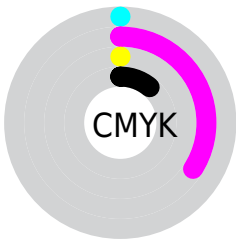
Blue (88%)



Red (89%)

Yellow (58%)

Blue (88%)

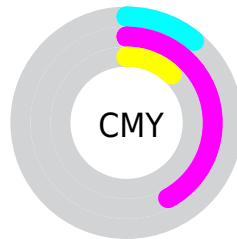


Cyan (0%)

Magenta (34%)

Yellow (0%)

Black (11%)



Cyan (11%)


Magenta (42%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7021, 43.0999, 76.6175 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 55.7021, 43.0999, 76.6175 by changing the saturation by 10% instead.


 55.7021, 43.0999,
76.6175

 55.7021, 43.0999,
76.6175


398.6611,
359.0224, 502.8619

 40.2002, 29.9635,
56.4293


 97.7112, 79.8616,
130.3675

 27.8796, 19.8109,
40.1409


 124.9491,
104.2557, 164.7663

 18.3749, 12.2577,
27.3338


156.8298,
133.1711, 204.7392

 11.3208, 6.9194,
17.5894

193.7185,
166.9923, 250.7045

 6.3519, 3.4117,
10.4892

235.9806,
206.1036, 303.0809

 3.1029, 1.3503,
5.6147

283.9815,

 1.2084, 0.1796,

250.8895, 362.2869

2.5473

338.0866,
301.7343, 428.7411

■ 0.1130, 0.0000,
0.8651

■ 0.0000, 0.0000,
0.0000

■ 55.7021, 43.0999,
76.6175

■ 55.7021, 43.0999,
76.6175

■ 52.4279, 36.6148,
75.3291

■ 59.6728, 50.9763,
78.1394

■ 49.8059, 31.4347,
74.2579

■ 64.3731, 60.3125,
79.9043

■ 47.7930, 27.4726,
73.3901

■ 69.8385, 71.1790,
81.9247

■ 46.3392, 24.6288,
72.7090

■ 76.1015, 83.6405,
84.2112

45.3867, 22.7875,
72.1953

80.9165, 93.2058,
86.0154

44.8652, 21.8079,
71.8257

80.9569, 93.2220,
86.2284

44.6925, 21.5002,
71.6521

80.9975, 93.2382,
86.4418

81.0380, 93.2544,
86.6556

81.0787, 93.2707,
86.8697

Harmonies

Analogous

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



48.5021, 43.0999, 100.4024



55.7021, 43.0999, 76.6175



58.9381, 43.0999, 49.6398

Triad

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



55.7021, 43.0999, 76.6175



41.9012, 43.0999, 14.6078



28.3546, 43.0999, 70.4037

Complementary

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



55.7021, 43.0999, 76.6175



45.0976, 62.9858, 38.6371

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.



27.0769, 43.0999, 44.3177



55.7021, 43.0999, 76.6175



34.2525, 43.0999, 16.8991

Square

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



55.7021, 43.0999, 76.6175



50.3254, 43.0999, 18.2819



29.0878, 43.0999, 26.1115



32.8441, 43.0999, 96.0491

Rectangle

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



55.7021, 43.0999, 76.6175



58.1291, 43.0999, 35.0770



29.0878, 43.0999, 26.1115



27.5637, 43.0999, 61.1874

Sweetspot

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



55.7035, 43.1018, 76.6184



87.3946, 84.7744, 106.0852



36.8713, 33.3776, 76.4518



18.4937, 17.7232, 22.6279



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.



55.7035, 43.1018, 76.6184



70.0503, 50.3494, 99.4915



51.1364, 41.2750, 52.5684



14.2870, 13.9324, 17.2813



25.5004, 12.2672, 40.8964



1.7701, 0.8513, 2.8479

Inverse Universe

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



55.7035, 43.1018, 76.6184



70.0503, 50.3494, 99.4915



48.6158, 64.3930, 57.1635



14.2870, 13.9324, 17.2813



25.5004, 12.2672, 40.8964



1.7701, 0.8513, 2.8479

Previews

White Background



This preview shows how the XYZ color 55.7021, 43.0999, 76.6175 looks on a white background.

Color Contrast Check

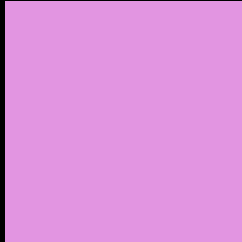
Large Text (above 18pt) WCAG AA × Fail

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 55.7021, 43.0999, 76.6175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

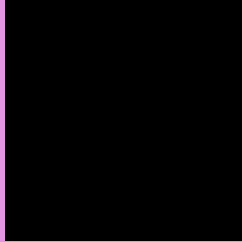
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.7021, 43.0999, 76.6175

Background



This preview shows how black text looks on a background with the XYZ color 55.7021, 43.0999, 76.6175.



This preview shows how white text looks on a background with the XYZ color 55.7021, 43.0999,

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

55.7021, 43.0999, 76.6175

Protanopia

44.6388, 43.3268, 90.8042

Deuteranopia

44.3812, 43.2716, 74.4197



Tritanopia

49.2306, 43.1802, 44.7696

Trichromacy



Original Color

55.7021, 43.0999, 76.6175



Protanomaly

47.4718, 42.4308, 85.0448



Deuteranomaly

47.6955, 42.7720, 74.8492



Tritanomaly

51.4166, 43.0681, 54.8932

Monochromacy



Original Color

55.7021, 43.0999, 76.6175



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

47.2920, 44.2775, 58.8772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7021, 43.0999, 76.6175 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(226, 149, 225)` looks like.

```
.text, #text, p{  
    color:rgb(226, 149, 225)  
}
```

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(226, 149, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 149, 225) }
```

Border

The CSS property to change the border of an element to XYZ 55.7021, 43.0999, 76.6175 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(226, 149, 225) }
```


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

```
.border{ border-color:rgb(226, 149, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 149, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 149, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 149, 225);  
box-shadow:4px 4px 4px 4px rgb(226, 149,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7021, 43.0999, 76.6175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 149, 225) }
```

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

```
.background{ background-color: rgb(226,  
149, 225) }
```

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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