

Converting Colors

XYZ(55.9773, 41.9123, 78.8064)

Have a look what the booklet for
XYZ(55.9773, 41.9123, 78.8064)
contains.

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Color

**XYZ(55.8210, 41.7403,
78.5134)**

Conversions

Conversions Part 1

Format	Color
Hex	E48FE4
RGB	228, 143, 228
RGB Percent	89%, 56%, 89%
CMY	0.1059, 0.4392, 0.1059
CMYK	0.00, 0.37, 0.00, 0.11
HSL	300°, 61%, 73%
HSV	300°, 37%, 89%
XYZ	55.8210, 41.7403, 78.5134
YIQ	178.1050, 23.3750, 44.4550

Conversions

Conversions Part 2

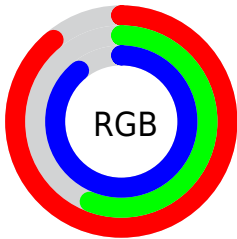
Format	Color
R _Y B	228, 143, 228
Decimal	14979044
CIE Lab	70.69, 45.05, -29.88
CIE LCh	71, 54.056, 326.447
Yxy	41.7403, 0.3170, 0.2371
Android (android.graphics.Color)	4293169124 (0xFFE48FE4)
YUV	178.1050, 24.5982, 43.7579
Hunter-Lab	64.6067, 41.1644, -26.8275

Details

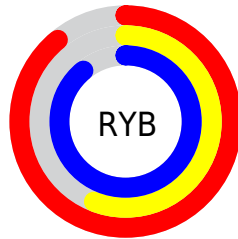
The XYZ color **55.8210, 41.7403, 78.5134** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **44.0308, 63.3112, 35.8885**, and the grayscale version is **42.2389, 44.4387, 48.3937**.

A 20% lighter version of the original color is **79.4841, 68.8682, 103.7114**, and **27.8971, 18.9488, 41.2169** is the 20% darker color. If you saturate the color by 10%, you get **52.7403, 35.5780, 77.4867**, and if you desaturate by 10%, it is **59.6000, 49.2974, 79.7737**.

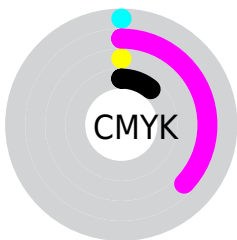
Distribution



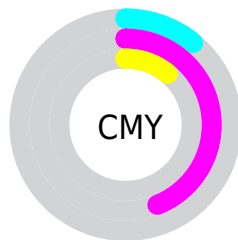
- Red (89%)
- Green (56%)
- Blue (89%)



- Red (89%)
- Yellow (56%)
- Blue (89%)



- Cyan (0%)
- Magenta (37%)
- Yellow (0%)
- Black (11%)



- Cyan (11%)
- Magenta (44%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8210, 41.7403, 78.5134 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 55.8210, 41.7403, 78.5134 by changing the saturation by 10% instead.

55.8210, 41.7403,
78.5134

55.8210, 41.7403,
78.5134

399.1025,
353.4052, 509.4827

40.2959, 28.8980,
57.9769

97.8841, 77.8064,
133.0661

27.9545, 19.0037,
41.3755

125.1529,
101.7990, 167.9192

18.4317, 11.6729,
28.2907

157.0668,
130.2772, 208.3817

11.3619, 6.5214,
18.3039

193.9913,
163.6253, 254.8721

6.3799, 3.1646,
10.9967

236.2918,
202.2278, 307.8088

3.1203, 1.2183,
5.9505

284.3336,

1.2177, 0.0766,

246.4690, 367.6105

2.7467

338.4821,
296.7334, 434.6956

■ 0.1203, 0.0000,
0.9668

■ 0.0000, 0.0000,
0.0000

■ 55.8210, 41.7403,
78.5134

■ 55.8210, 41.7403,
78.5134

■ 52.7403, 35.5780,
77.4867

■ 59.6000, 49.2974,
79.7737

■ 50.3113, 30.7201,
76.6769

■ 64.1120, 58.3214,
81.2778

■ 48.4884, 27.0744,
76.0691

■ 69.3944, 68.8860,
83.0388

■ 47.2183, 24.5342,
75.6456

■ 75.4807, 81.0586,
85.0677

46.4385, 22.9746,
75.3855

81.7593, 93.6158,
87.1608

46.0663, 22.2303,
75.2613

81.7594, 93.6158,
87.1609

45.9990, 22.0957,
75.2388

81.7594, 93.6158,
87.1611

81.7594, 93.6159,
87.1613

81.7595, 93.6159,
87.1615

Harmonies

Analogous

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



47.8457, 41.7403, 105.4371



55.8210, 41.7403, 78.5134



59.4581, 41.7403, 48.5732

Triad

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



55.8210, 41.7403, 78.5134



40.7496, 41.7403, 11.8602



26.1676, 41.7403, 71.1362

Complementary

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



55.8210, 41.7403, 78.5134



44.0308, 63.3112, 35.8885

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.



24.8501, 41.7403, 42.4600



55.8210, 41.7403, 78.5134



32.4882, 41.7403, 14.0514

Square

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



55.8210, 41.7403, 78.5134



49.9705, 41.7403, 15.4956



26.9845, 41.7403, 23.2787



30.8971, 41.7403, 100.1715

Rectangle

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



55.8210, 41.7403, 78.5134



58.5832, 41.7403, 32.8680



26.9845, 41.7403, 23.2787



25.3449, 41.7403, 60.8872

Sweetspot

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



55.8224, 41.7421, 78.5143



86.7454, 83.3908, 106.1316



35.1556, 31.0880, 77.5477



18.3667, 17.4484, 22.6497



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.



55.8224, 41.7421, 78.5143



68.7045, 47.3092, 100.1172



50.6289, 39.6647, 51.1656



14.9952, 14.6153, 18.1750



26.5610, 12.7586, 43.4449



1.9628, 0.9428, 3.2104

Inverse Universe

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



55.8224, 41.7421, 78.5143



68.7045, 47.3092, 100.1172



47.8826, 64.8519, 56.1720



14.9952, 14.6153, 18.1750



26.5610, 12.7586, 43.4449



1.9628, 0.9428, 3.2104

Previews

White Background



This preview shows how the XYZ color 55.8210, 41.7403, 78.5134 looks on a white background.

Color Contrast Check

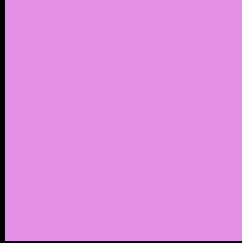
Large Text (above 18pt) WCAG AA × Fail

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 55.8210, 41.7403, 78.5134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

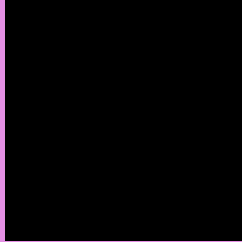
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.8210, 41.7403, 78.5134

Background



This preview shows how black text looks on a background with the XYZ color 55.8210, 41.7403, 78.5134.



This preview shows how white text looks on a background with the XYZ color 55.8210, 41.7403,

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

55.8210, 41.7403, 78.5134

Protanopia

43.8745, 42.2613, 95.4673

Deuteranopia

43.0039, 41.9697, 75.6464



Tritanopia

48.4716, 41.8197, 42.5631

Trichromacy



Original Color

55.8210, 41.7403, 78.5134



Protanomaly

46.7535, 41.1877, 88.7049



Deuteranomaly

46.6549, 41.1426, 76.7165



Tritanomaly

50.7923, 41.5389, 54.0560

Monochromacy



Original Color

55.8210, 41.7403, 78.5134



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

46.1839, 42.6316, 58.0191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8210, 41.7403, 78.5134 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(228, 143, 228)` looks like.

```
.text, #text, p{  
    color:rgb(228, 143, 228)  
}
```

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(228, 143, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 143, 228) }
```

Border

The CSS property to change the border of an element to XYZ 55.8210, 41.7403, 78.5134 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(228, 143, 228) }
```


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

```
.border{ border-color:rgb(228, 143, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 143, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 143, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 143, 228);  
box-shadow:4px 4px 4px 4px rgb(228, 143,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8210, 41.7403, 78.5134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 143, 228) }
```

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

```
.background{ background-color: rgb(228,  
143, 228) }
```

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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