

Converting Colors

XYZ(41.6938, 22.7274, 31.5161)

Have a look what the booklet for
XYZ(41.6938, 22.7274, 31.5161)
contains.

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Color

**XYZ(41.7841, 22.7851,
31.4739)**

Conversions

Conversions Part 1

Format	Color
Hex	ED3597
RGB	237, 53, 151
RGB Percent	93%, 21%, 59%
CMY	0.0706, 0.7921, 0.4078
CMYK	0.00, 0.78, 0.36, 0.07
HSL	328°, 84%, 57%
HSV	328°, 78%, 93%
XYZ	41.7841, 22.7851, 31.4739
YIQ	119.1880, 78.2060, 69.4860

Conversions

Conversions Part 2

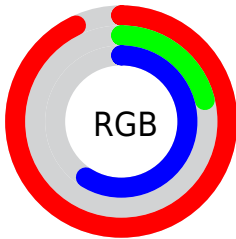
Format	Color
RYB	237, 53, 151
Decimal	15545751
CIELab	54.85, 74.80, -10.08
CIElCh	55, 75.472, 352.322
Yxy	22.7851, 0.4351, 0.2372
Android (android.graphics.Color)	4293735831 (0xFFED3597)
YUV	119.1880, 15.6833, 103.3211
Hunter-Lab	47.7337, 72.7173, -5.6801

Details

The XYZ color **41.7841, 22.7851, 31.4739** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **36.4143, 63.1901, 34.7088**, and the grayscale version is **17.5306, 18.4435, 20.0850**.

A 20% lighter version of the original color is **58.7379, 38.6246, 62.1171**, and **20.2047, 10.1502, 12.9509** is the 20% darker color. If you saturate the color by 10%, you get **40.1001, 20.7899, 26.6804**, and if you desaturate by 10%, it is **44.0875, 25.8837, 36.8914**.

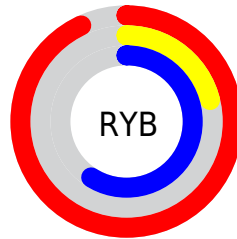
Distribution



Red (93%)

Green (21%)

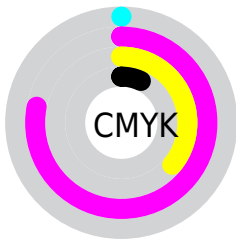
Blue (59%)



Red (93%)

Yellow (21%)

Blue (59%)

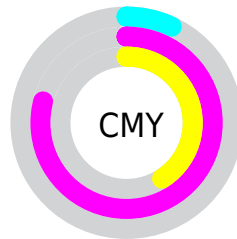


Cyan (0%)

Magenta (78%)

Yellow (36%)

Black (7%)



Cyan (7%)


Magenta (79%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7841, 22.7851, 31.4739 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 41.7841, 22.7851, 31.4739 by changing the saturation by 10% instead.

 41.7841, 22.7851,
31.4739


 41.7841, 22.7851,
31.4739


344.5940,
266.6193, 323.1342


 29.1226, 14.4349,
20.6985

 77.1400, 48.0402,
63.0737


 19.3184, 8.4238,
12.7147


 100.5651, 65.7139,
84.7352


 12.0059, 4.3673,
7.1040


 128.3089, 87.2643,
110.8624

 6.8199, 1.8811,
3.4478

 160.7366,
113.0757, 141.8740

 3.3951, 0.5370,
1.3276

 198.2136,
143.5325, 178.1884

 1.3660, 0.0000,
0.0842

241.1052,

 0.2318, 0.0000,

179.0191, 220.2242

0.0000

289.7770,
219.9199, 268.4000

■ 0.0000, 0.0000,
0.0000

■ 41.7841, 22.7851,
31.4739

■ 41.7841, 22.7851,
31.4739

■ 40.1001, 20.7899,
26.6804

■ 44.0875, 25.8837,
36.8914

■ 38.9381, 19.7073,
22.4664


■ 47.0800, 30.2216,
42.9665


■ 38.7053, 19.5166,
21.5405


■ 50.8233, 35.9188,
49.7306

■ 55.3714, 43.0802,
57.2120

■ 60.7732, 51.8000,
65.4366

 67.0734, 62.1646,
74.4291

 74.3136, 74.2543,
84.2126

 82.5325, 88.1436,
94.8090

 88.0507, 96.4708,
105.0005

Harmonies

Analogous

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



37.0120, 22.7851, 64.8653



41.7841, 22.7851, 31.4739



40.1639, 22.7851, 11.1218

Triad

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



41.7841, 22.7851, 31.4739



16.1128, 22.7851, 1.9514



13.2504, 22.7851, 81.9003

Complementary

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



41.7841, 22.7851, 31.4739



36.4143, 63.1901, 34.7088

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.



9.9404, 22.7851, 46.6931



41.7841, 22.7851, 31.4739



11.2723, 22.7851, 5.9806

Square

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



41.7841, 22.7851, 31.4739



23.8734, 22.7851, 1.4458



9.3234, 22.7851, 19.1586



19.5814, 22.7851, 103.9785

Rectangle

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



41.7841, 22.7851, 31.4739



35.8294, 22.7851, 4.9418



9.3234, 22.7851, 19.1586



11.8221, 22.7851, 70.4347

Sweetspot

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



41.7848, 22.7864, 31.4743



75.0051, 66.4764, 81.9756



27.1862, 14.1400, 81.4173



15.4959, 13.3138, 16.7381



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.



41.7848, 22.7864, 31.4743



46.4995, 23.7060, 28.5709



36.9920, 20.8693, 6.2361



15.4008, 15.1882, 17.3958



21.1986, 10.6821, 12.1133



1.7132, 0.8582, 1.2068

Inverse Universe

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



41.7848, 22.7864, 31.4743



46.4995, 23.7060, 28.5709



46.1582, 67.0877, 86.0195



15.4008, 15.1882, 17.3958



21.1986, 10.6821, 12.1133



1.7132, 0.8582, 1.2068

Previews

White Background



This preview shows how the XYZ color 41.7841, 22.7851, 31.4739 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 41.7841, 22.7851, 31.4739 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 41.7841, 22.7851, 31.4739

Background



This preview shows how black text looks on a background with the XYZ color 41.7841, 22.7851, 31.4739.



This preview shows how white text looks on a background with the XYZ color 41.7841, 22.7851,

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

41.7841, 22.7851, 31.4739

Protanopia

24.4548, 23.0290, 59.0332

Deuteranopia

23.4169, 22.9668, 28.7900



Tritanopia

37.2061, 22.7525, 9.8278

Trichromacy



Original Color

41.7841, 22.7851, 31.4739



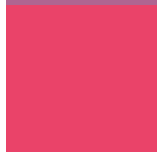
Protanomaly

26.5273, 19.5963, 47.1841



Deuteranomaly

27.4437, 20.4657, 29.2919



Tritanomaly

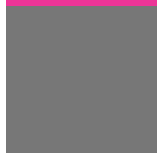
38.4886, 22.5267, 15.6841

Monochromacy



Original Color

41.7841, 22.7851, 31.4739



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

23.0892, 17.5045, 23.6345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7841, 22.7851, 31.4739 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(237, 53, 151)` looks like.

```
.text, #text, p{  
    color:rgb(237, 53, 151)  
}
```

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(237, 53, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 53, 151) }
```

Border

The CSS property to change the border of an element to XYZ 41.7841, 22.7851, 31.4739 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(237, 53, 151) }
```


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

```
.border{ border-color:rgb(237, 53, 151) }
```

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

Here you see how a box with a 4 pixel rgb(237, 53, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 53, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 53, 151);  
box-shadow:4px 4px 4px 4px rgb(237, 53,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7841, 22.7851, 31.4739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 53, 151) }
```

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

```
.background{ background-color: rgb(237, 53,  
151) }
```

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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