

Converting Colors

XYZ(41.2925, 21.2877, 24.2210)

Have a look what the booklet for
XYZ(41.2925, 21.2877, 24.2210)
contains.

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Color

**XYZ(41.1782, 21.2240,
24.1166)**

Conversions

Conversions Part 1

Format	Color
Hex	F21885
RGB	242, 24, 133
RGB Percent	95%, 9%, 52%
CMY	0.0510, 0.9058, 0.4784
CMYK	0.00, 0.90, 0.45, 0.05
HSL	330°, 89%, 52%
HSV	330°, 90%, 95%
XYZ	41.1782, 21.2240, 24.1166
YIQ	101.6080, 94.9390, 80.1150

Conversions

Conversions Part 2

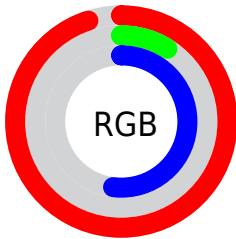
Format	Color
R_{YB}	242, 24, 133
Decimal	15865989
CIE _{Lab}	53.19, 80.09, -1.71
CIE _{LCh}	53, 80.107, 358.778
Yxy	21.2240, 0.4759, 0.2453
Android (android.graphics.Color)	4294056069 (0xFFFF21885)
YUV	101.6080, 15.4763, 123.1238
Hunter-Lab	46.0695, 78.9266, 1.2114

Details

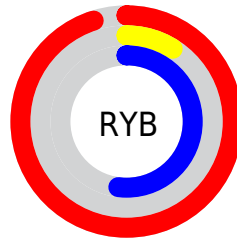
The XYZ color **41.1782, 21.2240, 24.1166** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **36.3653, 65.3930, 32.9072**, and the grayscale version is **12.4753, 13.1249, 14.2931**.

A 20% lighter version of the original color is **54.9532, 34.5057, 50.2183**, and **20.1906, 10.2238, 9.2967** is the 20% darker color. If you saturate the color by 10%, you get **40.0679, 20.2572, 19.8818**, and if you desaturate by 10%, it is **42.8030, 23.0576, 29.0239**.

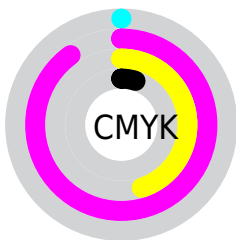
Distribution



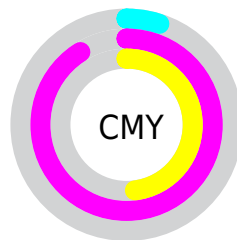
- Red (95%)
- Green (9%)
- Blue (52%)



- Red (95%)
- Yellow (9%)
- Blue (52%)



- Cyan (0%)
- Magenta (90%)
- Yellow (45%)
- Black (5%)





- Cyan (5%)
- Magenta (91%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.1782, 21.2240, 24.1166 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 41.1782, 21.2240, 24.1166 by changing the saturation by 10% instead.

 41.1782, 21.2240,
24.1166


 41.1782, 21.2240,
24.1166

342.1147,
258.4665, 286.7150


 28.6466, 13.2878,
15.2071

 76.2273, 45.4600,
51.1666


 18.9566, 7.6271,
8.8167


 99.4756, 62.5287,
70.1443


 11.7427, 3.8572,
4.5266


 127.0268, 83.4103,
93.3150

 6.6397, 1.5940,
1.9185

 159.2464,
108.4893, 121.0975

 3.2821, 0.3536,
0.5044

 196.4996,
138.1500, 153.9102

 1.3047, 0.0000,
0.0000

239.1518,

 0.1867, 0.0000,

172.7768, 192.1716

0.0000

287.5684,
212.7542, 236.3004

■ 0.0000, 0.0000,
0.0000

■ 41.1782, 21.2240,
24.1166

■ 41.1782, 21.2240,
24.1166

■ 40.0679, 20.2572,
19.8818

■ 42.8030, 23.0576,
29.0239

■ 45.0664, 26.0093,
34.6346

■ 48.0487, 30.2348,
40.9901

■ 51.8171, 35.8641,
48.1268

■ 56.4306, 43.0108,
56.0779

61.9423, 51.7768,
64.8740

68.4007, 62.2553,
74.5438

75.8507, 74.5320,
85.1144

84.3343, 88.6871,
96.6115

Harmonies

Analogous

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



37.5104, 21.2240, 56.6136



41.1782, 21.2240, 24.1166



38.0371, 21.2240, 7.1624

Triad

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



41.1782, 21.2240, 24.1166



13.3158, 21.2240, 1.6097



12.8657, 21.2240, 90.1540

Complementary

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



41.1782, 21.2240, 24.1166



36.3653, 65.3930, 32.9072

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.



9.0165, 21.2240, 53.5452



41.1782, 21.2240, 24.1166



9.2207, 21.2240, 6.4032

Square

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



41.1782, 21.2240, 24.1166



20.5215, 21.2240, 0.8127



7.8951, 21.2240, 22.1305



19.8280, 21.2240, 107.8870

Rectangle

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



41.1782, 21.2240, 24.1166



32.8920, 21.2240, 2.8019



7.8951, 21.2240, 22.1305



11.2453, 21.2240, 78.7855

Sweetspot

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



41.1788, 21.2252, 24.1169



71.8244, 61.6386, 76.2186



26.0296, 12.0532, 84.9587



14.8700, 12.3820, 15.5429



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.



41.1788, 21.2252, 24.1169



45.1022, 22.8049, 22.2683



37.1103, 19.5979, 2.6927



16.1024, 15.8907, 18.0954



21.5939, 10.9100, 11.0441



1.8466, 0.9277, 1.1832

Inverse Universe

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



41.1788, 21.2252, 24.1169



45.1022, 22.8049, 22.2683



48.1564, 70.1094, 94.9985



16.1024, 15.8907, 18.0954



21.5939, 10.9100, 11.0441



1.8466, 0.9277, 1.1832

Previews

White Background



This preview shows how the XYZ color 41.1782, 21.2240, 24.1166 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 41.1782, 21.2240, 24.1166 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 41.1782, 21.2240, 24.1166

Background



This preview shows how black text looks on a background with the XYZ color 41.1782, 21.2240, 24.1166.



This preview shows how white text looks on a background with the XYZ color 41.1782, 21.2240,

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

41.1782, 21.2240, 24.1166

Protanopia

22.7096, 21.7216, 51.1399

Deuteranopia

21.8134, 21.3468, 21.7095



Tritanopia

37.4378, 21.3110, 6.1432

Trichromacy



Original Color

41.1782, 21.2240, 24.1166



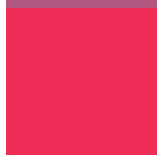
Protanomaly

24.4441, 17.0772, 39.5440



Deuteranomaly

25.5991, 17.8137, 22.1678



Tritanomaly

38.1370, 20.8080, 10.6006

Monochromacy



Original Color

41.1782, 21.2240, 24.1166



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

18.5663, 12.8621, 17.1269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1782, 21.2240, 24.1166 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(242, 24, 133)` looks like.

```
.text, #text, p{  
    color:rgb(242, 24, 133)  
}
```

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(242, 24, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 24, 133) }
```

Border

The CSS property to change the border of an element to XYZ 41.1782, 21.2240, 24.1166 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(242, 24, 133) }
```


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

```
.border{ border-color:rgb(242, 24, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 24, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 24, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 24, 133);  
box-shadow:4px 4px 4px 4px rgb(242, 24,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1782, 21.2240, 24.1166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 24, 133) }
```

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

```
.background{ background-color: rgb(242, 24,  
133) }
```

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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