

Converting Colors

XYZ(42.1035, 21.4977, 11.3411)

Have a look what the booklet for
XYZ(42.1035, 21.4977, 11.3411)
contains.

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Color

**XYZ(41.9481, 21.4167,
11.3741)**

Conversions

Conversions Part 1

Format	Color
Hex	FC0059
RGB	252, 0, 89
RGB Percent	99%, 0%, 35%
CMY	0.0118, 0.9997, 0.6510
CMYK	0.00, 1.00, 0.65, 0.01
HSL	339°, 100%, 49%
HSV	339°, 100%, 99%
XYZ	41.9481, 21.4167, 11.3741
YIQ	85.4940, 121.6230, 81.1030

Conversions

Conversions Part 2

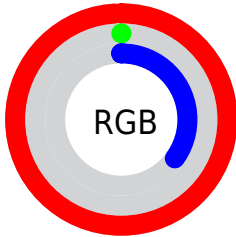
Format	Color
RYB	252, 0, 89
Decimal	16515161
CIELab	53.40, 81.53, 25.47
CIELCh	53, 85.417, 17.347
Yxy	21.4167, 0.5613, 0.2866
Android (android.graphics.Color)	4294705241 (0xFFFC0059)
YUV	85.4940, 1.7285, 146.0258
Hunter-Lab	46.2782, 80.8116, 17.8226

Details

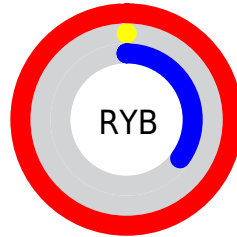
The XYZ color **41.9481, 21.4167, 11.3741** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **41.4276, 72.2676, 46.4459**, and the grayscale version is **8.7243, 9.1787, 9.9956**.

A 20% lighter version of the original color is **50.2679, 31.8594, 27.9262**, and **20.9481, 10.7466, 3.3531** is the 20% darker color. If you saturate the color by 10%, you get **41.9462, 21.4159, 11.3649**, and if you desaturate by 10%, it is **43.0635, 22.4282, 15.5061**.

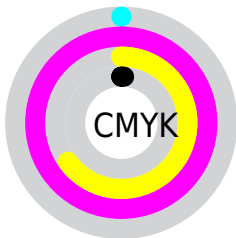
Distribution



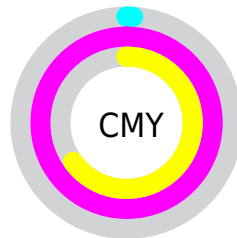
- Red (99%)
- Green (0%)
- Blue (35%)



- Red (99%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9481, 21.4167, 11.3741 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 41.9481, 21.4167, 11.3741 by changing the saturation by 10% instead.


 41.9481, 21.4167,
11.3741


 41.9481, 21.4167,
11.3741

345.2630,
259.4848, 211.0451


 29.2516, 13.4289,
6.2017


 77.3867, 45.7800,
28.9970


 19.4165, 7.7246,
2.8974


 100.8596, 62.9244,
42.2847


 12.0774, 3.9192,
1.0425


 128.6552, 83.8897,
59.1145

 6.8690, 1.6285,
0.0000

 161.1390,
109.0604, 79.9051

 3.4259, 0.3767,
0.0000

 198.6763,
138.8208, 105.0748

 1.3828, 0.0000,
0.0000

 241.6325,

 0.2439, 0.0000,

173.5555, 135.0424

0.0000

290.3730,
213.6487, 170.2264

■ 0.0000, 0.0000,
0.0000

■ 41.9481, 21.4167,
11.3741

■ 41.9481, 21.4167,
11.3741

■ 41.9462, 21.4159,
11.3649

■ 43.0635, 22.4282,
15.5061

■ 44.7939, 24.4119,
20.6365

■ 47.2872, 27.6506,
26.8563

■ 50.6360, 32.3167,
34.2355

■ 54.9189, 38.5555,
42.8364

■ 60.2048, 46.4941,
52.7166

■ 66.5561, 56.2463,
63.9293

■ 74.0298, 67.9163,
76.5245

■ 82.6788, 81.6001,
90.5496

Harmonies

Analogous

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



42.5494, 21.4167, 36.0578



41.9481, 21.4167, 11.3741



34.6036, 21.4167, 2.4992

Triad

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



41.9481, 21.4167, 11.3741



10.0363, 21.4167, 3.2100



16.7703, 21.4167, 113.8601

Complementary

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



41.9481, 21.4167, 11.3741



41.4276, 72.2676, 46.4459

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.



10.6797, 21.4167, 82.7032



41.9481, 21.4167, 11.3741



7.6423, 21.4167, 14.0015

Square

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



41.9481, 21.4167, 11.3741



15.5871, 21.4167, 0.7370



7.8362, 21.4167, 41.6019



26.0099, 21.4167, 110.8410

Rectangle

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



41.9481, 21.4167, 11.3741



27.8375, 21.4167, 0.9261



7.8362, 21.4167, 41.6019



14.3515, 21.4167, 106.4303

Sweetspot

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



41.9486, 21.4180, 11.3744



68.3406, 57.7324, 65.6194



31.9933, 14.4645, 93.2008



14.0096, 11.4031, 12.9692



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.



41.9486, 21.4180, 11.3744



43.0862, 21.9985, 11.6520



40.7073, 21.8200, 2.0680



17.4977, 17.3264, 19.2104



21.9135, 11.1811, 6.2527



2.0778, 1.0549, 0.8333

Inverse Universe

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



41.9486, 21.4180, 11.3744



43.0862, 21.9985, 11.6520



42.7488, 57.3835, 100.9181



17.4977, 17.3264, 19.2104



21.9135, 11.1811, 6.2527



2.0778, 1.0549, 0.8333

Previews

White Background



This preview shows how the XYZ color 41.9481, 21.4167, 11.3741 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 41.9481, 21.4167, 11.3741 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 41.9481, 21.4167, 11.3741

Background



This preview shows how black text looks on a background with the XYZ color 41.9481, 21.4167, 11.3741.



This preview shows how white text looks on a background with the XYZ color 41.9481, 21.4167,

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

41.9481, 21.4167, 11.3741

Protanopia

21.1760, 21.9023, 24.5842

Deuteranopia

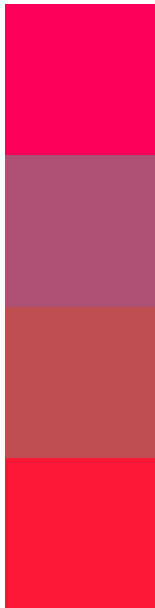
22.1684, 21.7839, 10.2440



Tritanopia

40.3159, 21.6900, 3.4282

Trichromacy



Original Color

41.9481, 21.4167, 11.3741

Protanomaly

23.7740, 16.2598, 18.4084

Deuteranomaly

25.7332, 17.1343, 9.9336

Tritanomaly

40.7327, 21.3791, 5.3479

Monochromacy



Original Color

41.9481, 21.4167, 11.3741

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

14.9405, 9.5315, 10.0691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9481, 21.4167, 11.3741 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(252, 0, 89)` looks like.

```
.text, #text, p{  
  color:rgb(252, 0, 89)  
}
```

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(252, 0, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 89) }
```

Border

The CSS property to change the border of an element to XYZ 41.9481, 21.4167, 11.3741 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(252, 0, 89) }
```


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

```
.border{ border-color:rgb(252, 0, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 0, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 89);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 41.9481, 21.4167, 11.3741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 89) }
```

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

```
.background{ background-color: rgb(252, 0,  
89) }
```

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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