

Converting Colors

XYZ(42.4488, 21.6359, 13.1593)

Have a look what the booklet for
XYZ(42.4488, 21.6359, 13.1593)
contains.

XYZ(42.3026, 21.5585, 13.2409)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.3026, 21.5585,
13.2409)**

Conversions

Conversions Part 1

Format	Color
Hex	FC0061
RGB	252, 0, 97
RGB Percent	99%, 0%, 38%
CMY	0.0118, 0.9997, 0.6196
CMYK	0.00, 1.00, 0.62, 0.01
HSL	337°, 100%, 49%
HSV	337°, 100%, 99%
XYZ	42.3026, 21.5585, 13.2409
YIQ	86.4060, 119.0550, 83.5910

Conversions

Conversions Part 2

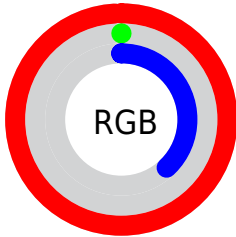
Format	Color
RYB	252, 0, 97
Decimal	16515169
CIELab	53.56, 81.94, 20.84
CIELCh	54, 84.550, 14.267
Yxy	21.5585, 0.5487, 0.2796
Android (android.graphics.Color)	4294705249 (0xFFFC0061)
YUV	86.4060, 5.2228, 145.2259
Hunter-Lab	46.4311, 81.3738, 15.5939

Details

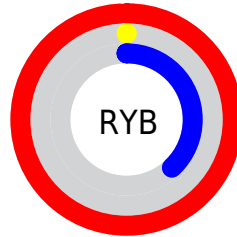
The XYZ color **42.3026, 21.5585, 13.2409** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **40.7328, 71.9896, 42.7867**, and the grayscale version is **8.9107, 9.3747, 10.2091**.

A 20% lighter version of the original color is **50.8741, 32.1019, 31.1187**, and **21.1134, 10.8127, 4.2231** is the 20% darker color. If you saturate the color by 10%, you get **42.3006, 21.5577, 13.2313**, and if you desaturate by 10%, it is **43.4508, 22.5831, 17.5457**.

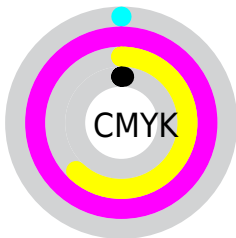
Distribution



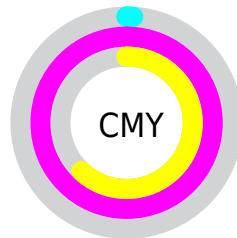
- Red (99%)
- Green (0%)
- Blue (38%)



- Red (99%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3026, 21.5585, 13.2409 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 42.3026, 21.5585, 13.2409 by changing the saturation by 10% instead.


 42.3026, 21.5585,
13.2409

 42.3026, 21.5585,
13.2409


346.7061,
260.2319, 223.7176


 29.5305, 13.5329,
7.4620


 77.9197, 46.0152,
32.4334

 19.6288, 7.7965,
3.6699


 101.4953, 63.2150,
46.6841


 12.2322, 3.9650,
1.4460


 129.4029, 84.2417,
64.5957

 6.9753, 1.6540,
0.1772

 162.0076,
109.4797, 86.5869

 3.4929, 0.3936,
0.0000

 199.6750,
139.3133, 113.0761

 1.4194, 0.0000,
0.0000

 242.7703,

 0.2700, 0.0000,

174.1269, 144.4819

0.0000

291.6589,
214.3050, 181.2229

■ 0.0000, 0.0000,
0.0000

■ 42.3026, 21.5585,
13.2409

■ 42.3026, 21.5585,
13.2409

■ 42.3006, 21.5577,
13.2313

■ 43.4508, 22.5831,
17.5457

■ 45.2021, 24.5752,
22.7859

■ 47.7029, 27.8168,
29.0454

■ 51.0446, 32.4801,
36.3870

■ 55.3045, 38.7097,
44.8674

■ 60.5507, 46.6323,
54.5383

■ 66.8444, 56.3615,
65.4477

■ 74.2417, 68.0009,
77.6410

■ 82.7947, 81.6462,
91.1607

Harmonies

Analogous

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



42.1167, 21.5585, 39.6742



42.3026, 21.5585, 13.2409



35.5809, 21.5585, 3.0752

Triad

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



42.3026, 21.5585, 13.2409



10.6158, 21.5585, 2.8492



16.1402, 21.5585, 111.0295

Complementary

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



42.3026, 21.5585, 13.2409



40.7328, 71.9896, 42.7867

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.



10.4147, 21.5585, 77.9806



42.3026, 21.5585, 13.2409



7.9239, 21.5585, 12.4205

Square

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



42.3026, 21.5585, 13.2409



16.5085, 21.5585, 0.7267



7.8631, 21.5585, 37.9579



25.0667, 21.5585, 111.9588

Rectangle

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



42.3026, 21.5585, 13.2409



28.9770, 21.5585, 1.1404



7.8631, 21.5585, 37.9579



13.8477, 21.5585, 102.6182

Sweetspot

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



42.3031, 21.5598, 13.2412



68.6372, 57.8510, 67.1811



30.3757, 13.6305, 93.1251



14.0789, 11.4308, 13.3342



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.



42.3031, 21.5598, 13.2412



43.4501, 22.1440, 13.5680



40.4982, 21.4018, 1.9983



17.5210, 17.3358, 19.3334



22.1015, 11.2563, 7.2428



2.0970, 1.0625, 0.9343

Inverse Universe

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



42.3031, 21.5598, 13.2412



43.4501, 22.1440, 13.5680



44.9875, 61.8608, 101.6644



17.5210, 17.3358, 19.3334



22.1015, 11.2563, 7.2428



2.0970, 1.0625, 0.9343

Previews

White Background



This preview shows how the XYZ color 42.3026, 21.5585, 13.2409 looks on a white background.

Color Contrast Check

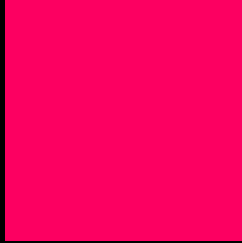
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3026, 21.5585, 13.2409 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 42.3026, 21.5585, 13.2409

Background



This preview shows how black text looks on a background with the XYZ color 42.3026, 21.5585, 13.2409.



This preview shows how white text looks on a background with the XYZ color 42.3026, 21.5585,

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

42.3026, 21.5585, 13.2409

Protanopia

21.5037, 21.9805, 28.7005

Deuteranopia

22.4049, 22.0558, 11.8804



Tritanopia

40.4683, 21.9024, 3.7637

Trichromacy



Original Color

42.3026, 21.5585, 13.2409

Protanomaly

23.9419, 16.2755, 21.6183

Deuteranomaly

25.8767, 17.2773, 11.6439

Tritanomaly

40.8950, 21.5100, 5.9994

Monochromacy



Original Color

42.3026, 21.5585, 13.2409

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

15.0657, 9.5816, 10.7282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3026, 21.5585, 13.2409 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 97) }
```

Border

The CSS property to change the border of an element to XYZ 42.3026, 21.5585, 13.2409 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, 97) }
```


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

```
.border{ border-color:rgb(252, 0, 97) }
```

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, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 97);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 97)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.3026, 21.5585, 13.2409 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, 97) }
```

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

```
.background{ background-color: rgb(252, 0,  
97) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor