

Converting Colors

XYZ(40.4977, 18.1102, 15.1518)

Have a look what the booklet for
XYZ(40.4977, 18.1102, 15.1518)
contains.

XYZ(42.0782, 21.3855, 15.8200)	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(42.0782, 21.3855,
15.8200)**

Conversions

Conversions Part 1

Format	Color
Hex	FA006B
RGB	250, 0, 107
RGB Percent	98%, 0%, 42%
CMY	0.0196, 0.9998, 0.5804
CMYK	0.00, 1.00, 0.57, 0.02
HSL	334°, 100%, 49%
HSV	334°, 100%, 98%
XYZ	42.0782, 21.3855, 15.8200
YIQ	86.9480, 114.6530, 86.2770

Conversions

Conversions Part 2

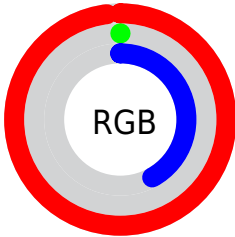
Format	Color
RYB	250, 0, 107
Decimal	16384107
CIELab	53.37, 82.07, 14.46
CIElCh	53, 83.335, 9.992
Yxy	21.3855, 0.5307, 0.2697
Android (android.graphics.Color)	4294574187 (0xFFFA006B)
YUV	86.9480, 9.8856, 142.9966
Hunter-Lab	46.2445, 81.4908, 12.0883

Details

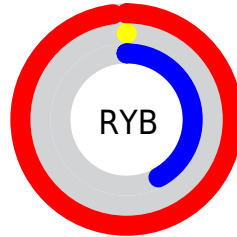
The XYZ color **42.0782, 21.3855, 15.8200** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **39.1488, 70.3564, 37.5277**, and the grayscale version is **9.0174, 9.4870, 10.3313**.

A 20% lighter version of the original color is **51.7792, 32.4640, 35.8849**, and **21.0653, 10.7653, 5.2426** is the 20% darker color. If you saturate the color by 10%, you get **42.0762, 21.3847, 15.8102**, and if you desaturate by 10%, it is **43.2430, 22.4098, 20.2334**.

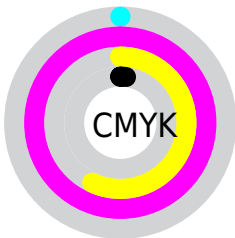
Distribution



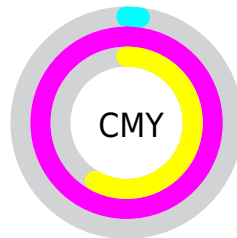
- Red (98%)
- Green (0%)
- Blue (42%)



- Red (98%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0782, 21.3855, 15.8200 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 42.0782, 21.3855, 15.8200 by changing the saturation by 10% instead.


 42.0782, 21.3855,
15.8200


 42.0782, 21.3855,
15.8200


345.7931,
259.3202, 240.0866

 29.3539, 13.4061,
9.2439

 77.5824, 45.7282,
37.0479


 19.4943, 7.7088,
4.8016


 101.0930, 62.8603,
52.5367


 12.1341, 3.9092,
2.0746


 128.9297, 83.8121,
71.8335

 6.9079, 1.6229,
0.6006

 161.4580,
108.9680, 95.3569

 3.4504, 0.3730,
0.0000

 199.0431,
138.7123, 123.5254

 1.3962, 0.0000,
0.0000

 242.0504,

 0.2535, 0.0000,

173.4296, 156.7574

0.0000

290.8453,
213.5040, 195.4716

■ 0.0000, 0.0000,
0.0000

■ 42.0782, 21.3855,
15.8200

■ 42.0782, 21.3855,
15.8200

■ 42.0762, 21.3847,
15.8102

■ 43.2430, 22.4098,
20.2334

■ 44.9835, 24.3769,
25.4808

■ 47.4423, 27.5636,
31.6363

■ 50.7075, 32.1382,
38.7542

■ 54.8536, 38.2420,
46.8829

■ 59.9461, 45.9986,
56.0667

■ 66.0439, 55.5190,
66.3468

■ 73.2010, 66.9044,
77.7618

■ 81.4674, 80.2482,
90.3482

Harmonies

Analogous

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



40.8430, 21.3855, 44.2250



42.0782, 21.3855, 15.8200



36.3252, 21.3855, 3.9208

Triad

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



42.0782, 21.3855, 15.8200



11.2434, 21.3855, 2.3590



15.0481, 21.3855, 105.4988

Complementary

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



42.0782, 21.3855, 15.8200



39.1488, 70.3564, 37.5277

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.



9.8880, 21.3855, 70.6645



42.0782, 21.3855, 15.8200



8.1739, 21.3855, 10.2861

Square

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



42.0782, 21.3855, 15.8200



17.5178, 21.3855, 0.6953



7.7626, 21.3855, 32.7922



23.4199, 21.3855, 111.6368

Rectangle

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



42.0782, 21.3855, 15.8200



30.0659, 21.3855, 1.4529



7.7626, 21.3855, 32.7922



12.9562, 21.3855, 95.9796

Sweetspot

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



42.0787, 21.3868, 15.8203



69.0470, 58.0149, 69.3390



28.3587, 12.6271, 91.3847



14.1750, 11.4692, 13.8400



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.



42.0787, 21.3868, 15.8203



44.0059, 22.3664, 16.4953



39.6207, 20.7165, 1.9122



17.5529, 17.3485, 19.5011



22.3873, 11.3706, 8.7478



2.1253, 1.0739, 1.0834

Inverse Universe

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



42.0787, 21.3868, 15.8203



44.0059, 22.3664, 16.4953



46.4905, 65.3714, 100.6098



17.5529, 17.3485, 19.5011



22.3873, 11.3706, 8.7478



2.1253, 1.0739, 1.0834

Previews

White Background



This preview shows how the XYZ color 42.0782, 21.3855, 15.8200 looks on a white background.

Color Contrast Check

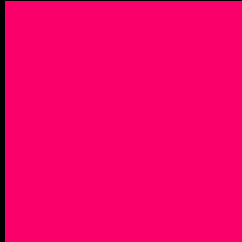
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.0782, 21.3855, 15.8200 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 42.0782, 21.3855, 15.8200

Background



This preview shows how black text looks on a background with the XYZ color 42.0782, 21.3855, 15.8200.



This preview shows how white text looks on a background with the XYZ color 42.0782, 21.3855,

15.8200.

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

42.0782, 21.3855, 15.8200

Protanopia

21.8883, 22.0496, 34.5548

Deuteranopia

22.3142, 21.9538, 14.3707



Tritanopia

39.9755, 21.8443, 4.2073

Trichromacy



Original Color

42.0782, 21.3855, 15.8200



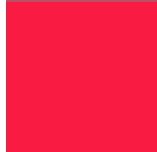
Protanomaly

23.8921, 16.1549, 25.9037



Deuteranomaly

25.8840, 17.2229, 14.2720



Tritanomaly

40.4130, 21.3053, 6.9834

Monochromacy



Original Color

42.0782, 21.3855, 15.8200



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.2406, 9.6515, 11.6493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0782, 21.3855, 15.8200 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(250, 0, 107)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 107)  
}
```

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(250, 0, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 107) }
```

Border

The CSS property to change the border of an element to XYZ 42.0782, 21.3855, 15.8200 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(250, 0, 107) }
```


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

```
.border{ border-color:rgb(250, 0, 107) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 107);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0782, 21.3855, 15.8200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 107) }
```

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

```
.background{ background-color: rgb(250, 0,  
107) }
```

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