

Converting Colors

XYZ(42.0259, 21.3646, 15.5444)

Have a look what the booklet for
XYZ(42.0259, 21.3646, 15.5444)
contains.

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Color

**XYZ(42.0259, 21.3646,
15.5444)**

Conversions

Conversions Part 1

Format	Color
Hex	FA006A
RGB	250, 0, 106
RGB Percent	98%, 0%, 42%
CMY	0.0196, 0.9998, 0.5843
CMYK	0.00, 1.00, 0.58, 0.02
HSL	335°, 100%, 49%
HSV	335°, 100%, 98%
XYZ	42.0259, 21.3646, 15.5444
YIQ	86.8340, 114.9740, 85.9660

Conversions

Conversions Part 2

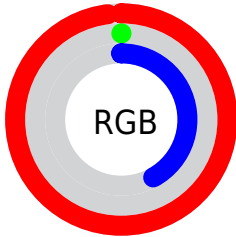
Format	Color
R_{YB}	250, 0, 106
Decimal	16384106
CIE _{Lab}	53.35, 82.01, 15.03
CIE _{LCh}	53, 83.377, 10.388
Yxy	21.3646, 0.5324, 0.2707
Android (android.graphics.Color)	4294574186 (0xFFFA006A)
YUV	86.8340, 9.4488, 143.0966
Hunter-Lab	46.2219, 81.4078, 12.4161

Details

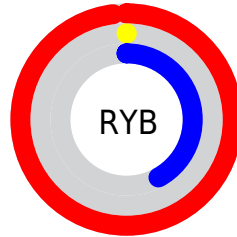
The XYZ color **42.0259, 21.3646, 15.5444** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **39.2251, 70.3869, 37.9293**, and the grayscale version is **8.9939, 9.4623, 10.3045**.

A 20% lighter version of the original color is **51.6935, 32.4297, 35.4333**, and **21.0653, 10.7653, 5.2426** is the 20% darker color. If you saturate the color by 10%, you get **42.0239, 21.3638, 15.5345**, and if you desaturate by 10%, it is **43.1879, 22.3878, 19.9431**.

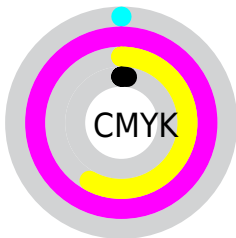
Distribution



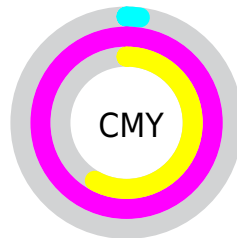
- Red (98%)
- Green (0%)
- Blue (42%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0259, 21.3646, 15.5444 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 42.0259, 21.3646, 15.5444 by changing the saturation by 10% instead.


 42.0259, 21.3646,
15.5444


 42.0259, 21.3646,
15.5444


345.5801,
259.2098, 238.3913


 29.3128, 13.3908,
9.0515


 77.5037, 45.6935,
36.5611


 19.4630, 7.6982,
4.6775


 100.9992, 62.8175,
51.9221


 12.1113, 3.9024,
2.0039


 128.8194, 83.7602,
71.0761

 6.8923, 1.6191,
0.5577

 161.3298,
108.9061, 94.4417

 3.4405, 0.3704,
0.0000

 198.8957,
138.6396, 122.4375

 1.3908, 0.0000,
0.0000

 241.8825,

 0.2496, 0.0000,

173.3452, 155.4820

0.0000

290.6555,
213.4071, 193.9938

■ 0.0000, 0.0000,
0.0000

■ 42.0259, 21.3646,
15.5444

■ 42.0259, 21.3646,
15.5444

■ 42.0239, 21.3638,
15.5345

■ 43.1879, 22.3878,
19.9431

■ 44.9271, 24.3544,
25.1836

■ 47.3862, 27.5413,
31.3406

■ 50.6535, 32.1168,
38.4691

■ 54.8035, 38.2222,
46.6182

■ 59.9018, 45.9812,
55.8326

■ 66.0075, 55.5048,
66.1540

■ 73.1747, 66.8942,
77.6217

■ 81.4534, 80.2431,
90.2726

Harmonies

Analogous

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



40.8877, 21.3646, 43.7187



42.0259, 21.3646, 15.5444



36.1940, 21.3646, 3.8313

Triad

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



42.0259, 21.3646, 15.5444



11.1659, 21.3646, 2.3975



15.1202, 21.3646, 105.8129

Complementary

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



42.0259, 21.3646, 15.5444



39.2251, 70.3869, 37.9293

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.



9.9186, 21.3646, 71.1909



42.0259, 21.3646, 15.5444



8.1370, 21.3646, 10.4528

Square

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



42.0259, 21.3646, 15.5444



17.3939, 21.3646, 0.6968



7.7586, 21.3646, 33.1872



23.5271, 21.3646, 111.4716

Rectangle

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



42.0259, 21.3646, 15.5444



29.9134, 21.3646, 1.4199



7.7586, 21.3646, 33.1872



13.0140, 21.3646, 96.4073

Sweetspot

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



42.0264, 21.3659, 15.5447



69.0085, 57.9995, 69.1366



28.3588, 12.6272, 91.3848



14.1659, 11.4656, 13.7925



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.



42.0264, 21.3659, 15.5447



43.9512, 22.3445, 16.2070



39.6208, 20.7165, 1.9122



17.5499, 17.3473, 19.4855



22.3592, 11.3594, 8.6000



2.1226, 1.0728, 1.0690

Inverse Universe

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



42.0264, 21.3659, 15.5447



43.9512, 22.3445, 16.2070



46.4905, 65.3715, 100.6098



17.5499, 17.3473, 19.4855



22.3592, 11.3594, 8.6000



2.1226, 1.0728, 1.0690

Previews

White Background



This preview shows how the XYZ color 42.0259, 21.3646, 15.5444 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 42.0259, 21.3646, 15.5444 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 42.0259, 21.3646, 15.5444

Background



This preview shows how black text looks on a background with the XYZ color 42.0259, 21.3646, 15.5444.

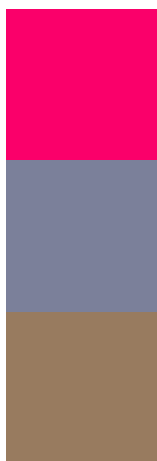


This preview shows how white text looks on a background with the XYZ color 42.0259, 21.3646,

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

42.0259, 21.3646, 15.5444

Protanopia

21.7203, 21.9824, 33.6701

Deuteranopia

22.0974, 21.6675, 13.8441



Tritanopia

39.9396, 21.7725, 4.1953

Trichromacy



Original Color

42.0259, 21.3646, 15.5444



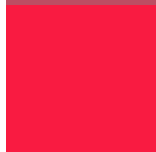
Protanomaly

23.8200, 16.1260, 25.5241



Deuteranomaly

25.7156, 17.0410, 13.7383



Tritanomaly

40.4130, 21.3053, 6.9834

Monochromacy



Original Color

42.0259, 21.3646, 15.5444



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 42.0259, 21.3646, 15.5444 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 106) }
```

Border

The CSS property to change the border of an element to XYZ 42.0259, 21.3646, 15.5444 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, 106) }
```


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

```
.border{ border-color:rgb(250, 0, 106) }
```

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, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0259, 21.3646, 15.5444 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, 106) }
```

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

```
.background{ background-color: rgb(250, 0,  
106) }
```

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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