

Converting Colors

XYZ(40.4438, 21.3289, 18.6025)

Have a look what the booklet for
XYZ(40.4438, 21.3289, 18.6025)
contains.

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Color

**XYZ(40.3424, 21.2823,
18.5046)**

Conversions

Conversions Part 1

Format	Color
Hex	F22274
RGB	242, 34, 116
RGB Percent	95%, 13%, 45%
CMY	0.0510, 0.8666, 0.5451
CMYK	0.00, 0.86, 0.52, 0.05
HSL	336°, 89%, 54%
HSV	336°, 86%, 95%
XYZ	40.3424, 21.2823, 18.5046
YIQ	105.5400, 97.6460, 69.5980

Conversions

Conversions Part 2

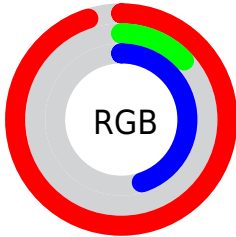
Format	Color
R_{YB}	242, 34, 116
Decimal	15868532
CIE _{Lab}	53.26, 77.24, 8.63
CIE _{LCh}	53, 77.719, 6.373
Yxy	21.2823, 0.5035, 0.2656
Android (android.graphics.Color)	4294058612 (0xFFFF22274)
YUV	105.5400, 5.1568, 119.6754
Hunter-Lab	46.1327, 75.3633, 8.5107

Details

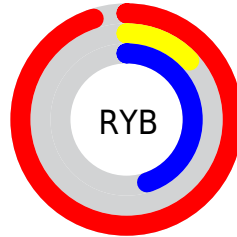
The XYZ color **40.3424, 21.2823, 18.5046** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **38.7597, 66.3834, 44.0387**, and the grayscale version is **13.5449, 14.2502, 15.5185**.

A 20% lighter version of the original color is **53.4619, 34.3952, 40.8670**, and **19.6338, 10.0011, 6.3644** is the 20% darker color. If you saturate the color by 10%, you get **39.0901, 20.0367, 14.2064**, and if you desaturate by 10%, it is **42.2160, 23.5554, 23.6743**.

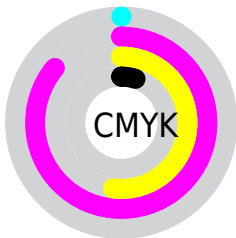
Distribution



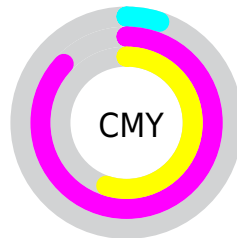
- Red (95%)
- Green (13%)
- Blue (45%)



- Red (95%)
- Yellow (13%)
- Blue (45%)



- Cyan (0%)
- Magenta (86%)
- Yellow (52%)
- Black (5%)





- Cyan (5%)
- Magenta (87%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3424, 21.2823, 18.5046 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 40.3424, 21.2823, 18.5046 by changing the saturation by 10% instead.


 40.3424, 21.2823,
18.5046


 40.3424, 21.2823,
18.5046


338.6744,
258.7750, 256.0310


 27.9910, 13.3305,
11.1397


 74.9657, 45.5569,
41.7208


 18.4593, 7.6565,
6.0455


 97.9682, 62.6485,
58.4091


 11.3819, 3.8760,
2.8035


 125.2519, 83.5555,
79.0424

 6.3935, 1.6044,
0.9952

 157.1821,
108.6622, 104.0391

 3.1287, 0.3606,
0.0000

 194.1240,
138.3532, 133.8177

 1.2222, 0.0000,
0.0000

236.4431,

 0.1238, 0.0000,

173.0127, 168.7969

0.0000

284.5048,
213.0251, 209.3952

■ 0.0000, 0.0000,
0.0000

■ 40.3424, 21.2823,
18.5046

■ 40.3424, 21.2823,
18.5046

■ 39.0901, 20.0367,
14.2064

■ 42.2160, 23.5554,
23.6743


■ 38.7011, 19.7105,
12.6838


■ 44.8029, 27.0302,
29.7747


■ 48.1801, 31.8518,
36.8590


■ 52.4135, 38.1437,
44.9749

■ 57.5617, 46.0152,
54.1667

 63.6780, 55.5651,
64.4753

 70.8113, 66.8843,
75.9397

 79.0072, 80.0568,
88.5966

 88.3085, 95.1614,
102.4809

Harmonies

Analogous

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



38.4298, 21.2823, 46.4488



40.3424, 21.2823, 18.5046



35.8021, 21.2823, 5.3643

Triad

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



40.3424, 21.2823, 18.5046



12.2310, 21.2823, 2.4983



14.5339, 21.2823, 94.2595

Complementary

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



40.3424, 21.2823, 18.5046



38.7597, 66.3834, 44.0387

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.



9.9875, 21.2823, 61.6958



40.3424, 21.2823, 18.5046



8.9316, 21.2823, 9.3576

Square

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



40.3424, 21.2823, 18.5046



18.5247, 21.2823, 1.0207



8.2390, 21.2823, 28.5667



22.0330, 21.2823, 103.4986

Rectangle

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



40.3424, 21.2823, 18.5046



30.2995, 21.2823, 2.2270



8.2390, 21.2823, 28.5667



12.6797, 21.2823, 84.9547

Sweetspot

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



40.3429, 21.2836, 18.5049



71.6174, 62.4240, 72.4520



30.8600, 14.9076, 85.2551



14.7908, 12.5163, 14.6147



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.



40.3429, 21.2836, 18.5049



43.5651, 22.1900, 14.1738



38.2646, 21.7083, 3.6885



16.0308, 15.8620, 17.7185



20.8532, 10.6137, 7.1437



1.7824, 0.9020, 0.8449

Inverse Universe

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



40.3429, 21.2836, 18.5049



43.5651, 22.1900, 14.1738



42.5973, 58.5709, 93.0644



16.0308, 15.8620, 17.7185



20.8532, 10.6137, 7.1437



1.7824, 0.9020, 0.8449

Previews

White Background



This preview shows how the XYZ color 40.3424, 21.2823, 18.5046 looks on a white background.

Color Contrast Check

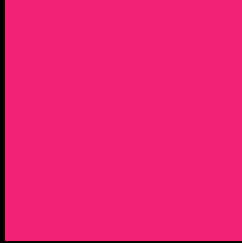
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3424, 21.2823, 18.5046 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 40.3424, 21.2823, 18.5046

Background



This preview shows how black text looks on a background with the XYZ color 40.3424, 21.2823, 18.5046.



This preview shows how white text looks on a background with the XYZ color 40.3424, 21.2823,

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

40.3424, 21.2823, 18.5046

Protanopia

21.6795, 21.4880, 37.6553

Deuteranopia

21.8972, 21.5024, 16.6319



Tritanopia

37.6054, 21.2649, 5.7369

Trichromacy



Original Color

40.3424, 21.2823, 18.5046



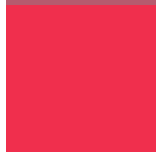
Protanomaly

24.4125, 17.7965, 29.3425



Deuteranomaly

25.8470, 18.5530, 16.9707



Tritanomaly

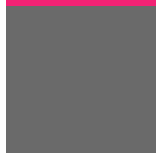
38.2913, 21.0941, 9.0746

Monochromacy



Original Color

40.3424, 21.2823, 18.5046



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

19.2007, 13.8317, 16.4096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3424, 21.2823, 18.5046 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, 34, 116)` looks like.

```
.text, #text, p{  
    color:rgb(242, 34, 116)  
}
```

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, 34, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 34, 116) }
```

Border

The CSS property to change the border of an element to XYZ 40.3424, 21.2823, 18.5046 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, 34, 116) }
```


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

```
.border{ border-color:rgb(242, 34, 116) }
```

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

Here you see how a box with a 4 pixel rgb(242, 34, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 34, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 34, 116);  
box-shadow:4px 4px 4px 4px rgb(242, 34,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3424, 21.2823, 18.5046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 34, 116) }
```

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

```
.background{ background-color: rgb(242, 34,  
116) }
```

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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