

Converting Colors

XYZ(42.3770, 23.2686, 13.6923)

Have a look what the booklet for
XYZ(42.3770, 23.2686, 13.6923)
contains.

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Color

**XYZ(42.4121, 23.3028,
13.8178)**

Conversions

Conversions Part 1

Format	Color
Hex	F93262
RGB	249, 50, 98
RGB Percent	98%, 20%, 38%
CMY	0.0235, 0.8039, 0.6157
CMYK	0.00, 0.80, 0.61, 0.02
HSL	346°, 94%, 59%
HSV	346°, 80%, 98%
XYZ	42.4121, 23.3028, 13.8178
YIQ	114.9730, 103.1960, 57.1160

Conversions

Conversions Part 2

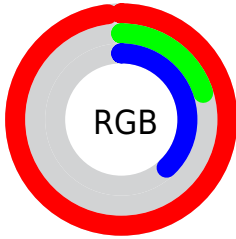
Format	Color
R_{YB}	249, 50, 98
Decimal	16331362
CIE _{Lab}	55.38, 74.39, 22.57
CIE _{LCh}	55, 77.743, 16.876
Yxy	23.3028, 0.5333, 0.2930
Android (android.graphics.Color)	4294521442 (0xFFFF93262)
YUV	114.9730, -8.3677, 117.5417
Hunter-Lab	48.2730, 72.3504, 16.8197

Details

The XYZ color **42.4121, 23.3028, 13.8178** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **45.7363, 72.6473, 66.8805**, and the grayscale version is **16.2926, 17.1411, 18.6666**.

A 20% lighter version of the original color is **52.8307, 35.8889, 32.1597**, and **20.6274, 10.5622, 4.2003** is the 20% darker color. If you saturate the color by 10%, you get **40.8319, 21.4060, 9.3969**, and if you desaturate by 10%, it is **44.7819, 26.4425, 19.5412**.

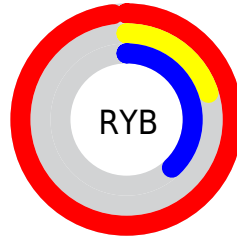
Distribution



Red (98%)

Green (20%)

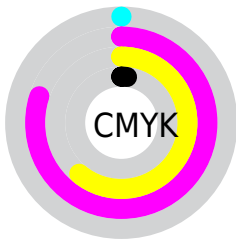
Blue (38%)



Red (98%)

Yellow (20%)

Blue (38%)

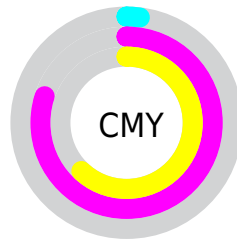


Cyan (0%)

Magenta (80%)

Yellow (61%)

Black (2%)



Cyan (2%)


Magenta (80%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4121, 23.3028, 13.8178 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 42.4121, 23.3028, 13.8178 by changing the saturation by 10% instead.


 42.4121, 23.3028,
13.8178


 42.4121, 23.3028,
13.8178


347.1511,
269.2764, 227.4833


 29.6166, 14.8173,
7.8568


 78.0842, 48.8900,
33.4779


 19.6944, 8.6912,
3.9170


 101.6915, 66.7605,
48.0139


 12.2801, 4.5403,
1.5799


 129.6335, 88.5281,
66.2454

 7.0083, 1.9802,
0.2764

 162.2756,
114.5772, 88.5909

 3.5137, 0.5959,
0.0000

 199.9830,
145.2922, 115.4689

 1.4309, 0.0000,
0.0000

243.1211,

 0.2780, 0.0000,

181.0575, 147.2979

0.0000

292.0554,
222.2574, 184.4965

■ 0.0000, 0.0000,
0.0000

■ 42.4121, 23.3028,
13.8178

■ 42.4121, 23.3028,
13.8178

■ 40.8319, 21.4060,
9.3969

■ 44.7819, 26.4425,
19.5412

■ 39.8902, 20.4728,
6.1532


■ 48.0355, 30.9907,
26.6650


■ 39.8834, 20.4663,
6.1294


■ 52.2547, 37.0915,
35.2780


■ 57.5114, 44.8702,
45.4610

■ 63.8704, 54.4391,
57.2889

 71.3911, 65.9008,
70.8313

 80.1285, 79.3500,
86.1541

 90.1342, 94.8753,
103.3195

 92.8767, 98.8796,
108.7983

Harmonies

Analogous

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



42.8523, 23.3028, 37.9312



42.4121, 23.3028, 13.8178



35.7215, 23.3028, 3.9722

Triad

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



42.4121, 23.3028, 13.8178



12.0158, 23.3028, 4.6544



18.5510, 23.3028, 106.9121

Complementary

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



42.4121, 23.3028, 13.8178



45.7363, 72.6473, 66.8805

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.



12.5402, 23.3028, 79.1328



42.4121, 23.3028, 13.8178



9.4916, 23.3028, 15.9462

Square

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



42.4121, 23.3028, 13.8178



17.6236, 23.3028, 1.5700



9.6542, 23.3028, 42.0469



27.3886, 23.3028, 104.8008

Rectangle

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



42.4121, 23.3028, 13.8178



29.4179, 23.3028, 1.8675



9.6542, 23.3028, 42.0469



16.1878, 23.3028, 100.2536

Sweetspot

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



42.4127, 23.3042, 13.8182



71.9412, 64.3362, 68.6614



41.8608, 21.2991, 91.5268



14.8010, 12.8610, 13.6176



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.



42.4127, 23.3042, 13.8182



42.4321, 21.9140, 7.6613



44.1773, 29.4390, 6.3735



17.4162, 17.2938, 18.7813



21.3953, 10.9739, 3.5242



2.0213, 1.0323, 0.5357

Inverse Universe

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



42.4127, 23.3042, 13.8182



42.4321, 21.9140, 7.6613



38.8970, 48.4819, 96.9298



17.4162, 17.2938, 18.7813



21.3953, 10.9739, 3.5242



2.0213, 1.0323, 0.5357

Previews

White Background



This preview shows how the XYZ color 42.4121, 23.3028, 13.8178 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 42.4121, 23.3028, 13.8178 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 42.4121, 23.3028, 13.8178

Background



This preview shows how black text looks on a background with the XYZ color 42.4121, 23.3028, 13.8178.



This preview shows how white text looks on a background with the XYZ color 42.4121, 23.3028,

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

42.4121, 23.3028, 13.8178

Protanopia

22.6161, 23.4027, 26.2468

Deuteranopia

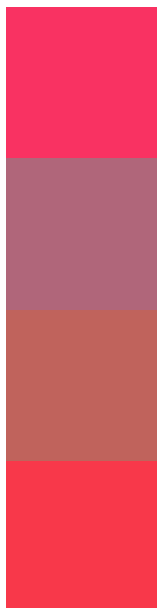
23.8480, 23.3569, 12.4839



Tritanopia

40.7373, 23.2283, 6.6114

Trichromacy



Original Color

42.4121, 23.3028, 13.8178

Protanomaly

26.1687, 20.1380, 20.9201

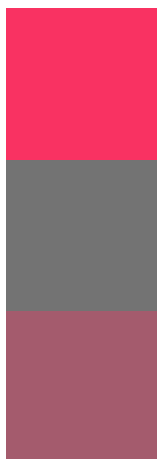
Deuteranomaly

28.1318, 20.9029, 12.6772

Tritanomaly

41.3616, 23.2792, 8.7919

Monochromacy



Original Color

42.4121, 23.3028, 13.8178

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

21.8112, 16.4788, 16.4991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4121, 23.3028, 13.8178 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(249, 50, 98)` looks like.

```
.text, #text, p{  
    color:rgb(249, 50, 98)  
}
```

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(249, 50, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 50, 98) }
```

Border

The CSS property to change the border of an element to XYZ 42.4121, 23.3028, 13.8178 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(249, 50, 98) }
```


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

```
.border{ border-color:rgb(249, 50, 98) }
```

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

Here you see how a box with a 4 pixel rgb(249, 50, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 50, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 50, 98);  
box-shadow:4px 4px 4px 4px rgb(249, 50,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4121, 23.3028, 13.8178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 50, 98) }
```

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

```
.background{ background-color: rgb(249, 50,  
98) }
```

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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