

Converting Colors

XYZ(42.1548, 23.6885, 9.6789)

Have a look what the booklet for
XYZ(42.1548, 23.6885, 9.6789)
contains.

XYZ(42.2498, 23.7169, 9.7481)	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(42.2498, 23.7169,
9.7481)**

Conversions

Conversions Part 1

Format	Color
Hex	FA384F
RGB	250, 56, 79
RGB Percent	98%, 22%, 31%
CMY	0.0196, 0.7803, 0.6902
CMYK	0.00, 0.78, 0.68, 0.02
HSL	353°, 95%, 60%
HSV	353°, 78%, 98%
XYZ	42.2498, 23.7169, 9.7481
YIQ	116.6280, 108.2410, 48.2810

Conversions

Conversions Part 2

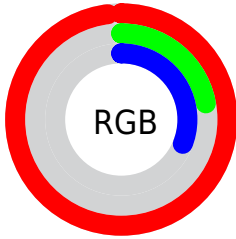
Format	Color
R_{YB}	250, 56, 79
Decimal	16398415
CIE _{Lab}	55.80, 72.09, 34.33
CIE _{LCh}	56, 79.850, 25.461
Yxy	23.7169, 0.5580, 0.3132
Android (android.graphics.Color)	4294588495 (0xFFFA384F)
YUV	116.6280, -18.5506, 116.9672
Hunter-Lab	48.7000, 69.6331, 22.2221

Details

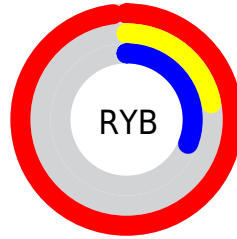
The XYZ color **42.2498, 23.7169, 9.7481** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **49.6845, 74.7589, 84.4956**, and the grayscale version is **16.8278, 17.7041, 19.2798**.

A 20% lighter version of the original color is **51.8528, 36.2515, 24.6864**, and **20.3110, 10.4356, 2.5339** is the 20% darker color. If you saturate the color by 10%, you get **40.6521, 21.5997, 5.8926**, and if you desaturate by 10%, it is **44.7186, 27.1515, 15.2056**.

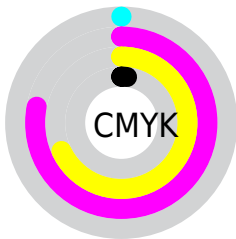
Distribution



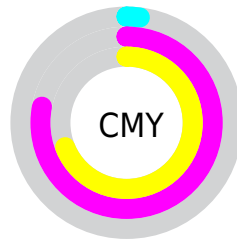
- Red (98%)
- Green (22%)
- Blue (31%)



- Red (98%)
- Yellow (22%)
- Blue (31%)



- Cyan (0%)
- Magenta (78%)
- Yellow (68%)
- Black (2%)





- Cyan (2%)
- Magenta (78%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2498, 23.7169, 9.7481 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 42.2498, 23.7169, 9.7481 by changing the saturation by 10% instead.


 42.2498, 23.7169,
9.7481


 42.2498, 23.7169,
9.7481


346.4914,
271.3861, 199.2837


 29.4889, 15.1238,
5.1288


 77.8403, 49.5678,
25.9210


 19.5971, 8.9063,
2.2630


 101.4007, 67.5944,
38.3117


 12.2091, 4.6801,
0.7104


 129.2916, 89.5342,
54.1300

 6.9595, 2.0608,
0.0000

 161.8784,
115.7717, 73.7943

 3.4829, 0.6425,
0.0000

 199.5264,
146.6912, 97.7234

 1.4140, 0.0000,
0.0000

242.6010,

 0.2661, 0.0000,

182.6772, 126.3356

0.0000

291.4676,
224.1140, 160.0495

■ 0.0000, 0.0000,
0.0000

■ 42.2498, 23.7169,
9.7481

■ 42.2498, 23.7169,
9.7481

■ 40.6521, 21.5997,
5.8926

■ 44.7186, 27.1515,
15.2056

■ 39.7916, 20.5754,
3.4584

■ 48.1597, 32.0673,
22.4152

■ 39.6536, 20.4157,
3.0537

■ 52.6622, 38.6087,
31.5107

■ 58.3044, 46.9019,
42.6128

■ 65.1572, 57.0606,
55.8317

73.2857, 69.1888,
71.2698

82.7504, 83.3831,
89.0228

93.2341, 99.0639,
108.8150

Harmonies

Analogous

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



44.7920, 23.7169, 29.9833



42.2498, 23.7169, 9.7481



33.9520, 23.7169, 2.6587

Triad

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



42.2498, 23.7169, 9.7481



11.0079, 23.7169, 6.5905



21.1895, 23.7169, 114.5283

Complementary

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



42.2498, 23.7169, 9.7481



49.6845, 74.7589, 84.4956

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.



14.0264, 23.7169, 92.7279



42.2498, 23.7169, 9.7481



9.2391, 23.7169, 22.0678

Square

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



42.2498, 23.7169, 9.7481



15.8427, 23.7169, 1.8812



10.1737, 23.7169, 53.8122



30.9056, 23.7169, 102.3129

Rectangle

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



42.2498, 23.7169, 9.7481



27.2120, 23.7169, 1.3689



10.1737, 23.7169, 53.8122



18.4398, 23.7169, 110.6760

Sweetspot

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



42.2503, 23.7183, 9.7485



71.8741, 65.2240, 65.4883



49.4525, 25.6009, 92.7769



14.7496, 13.0153, 12.8084



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.



42.2503, 23.7183, 9.7485



41.9460, 21.8846, 4.5928



47.7462, 35.8254, 8.1420



17.3282, 17.2587, 18.3183



21.0602, 10.8398, 1.7596



1.9765, 1.0143, 0.2998

Inverse Universe

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



42.2503, 23.7183, 9.7485



41.9460, 21.8846, 4.5928



34.9815, 39.9323, 96.3059



17.3282, 17.2587, 18.3183



21.0602, 10.8398, 1.7596



1.9765, 1.0143, 0.2998

Previews

White Background



This preview shows how the XYZ color 42.2498, 23.7169, 9.7481 looks on a white background.

Color Contrast Check

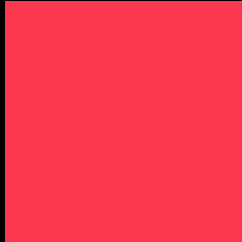
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.2498, 23.7169, 9.7481 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 42.2498, 23.7169, 9.7481

Background



This preview shows how black text looks on a background with the XYZ color 42.2498, 23.7169, 9.7481.



This preview shows how white text looks on a background with the XYZ color 42.2498, 23.7169,

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

42.2498, 23.7169, 9.7481

Protanopia

22.3872, 23.8837, 17.6174

Deuteranopia

24.2796, 23.8550, 8.7936



Tritanopia

41.4732, 23.6046, 6.7851

Trichromacy



Original Color

42.2498, 23.7169, 9.7481

Protanomaly

26.3678, 20.9949, 13.9719

Deuteranomaly

28.6860, 21.7064, 8.8087

Tritanomaly

41.6234, 23.5832, 7.8271

Monochromacy



Original Color

42.2498, 23.7169, 9.7481

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

22.0574, 17.1630, 14.9822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2498, 23.7169, 9.7481 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, 56, 79)` looks like.

```
.text, #text, p{  
    color:rgb(250, 56, 79)  
}
```

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, 56, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 56, 79) }
```

Border

The CSS property to change the border of an element to XYZ 42.2498, 23.7169, 9.7481 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, 56, 79) }
```


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

```
.border{ border-color:rgb(250, 56, 79) }
```

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

Here you see how a box with a 4 pixel rgb(250, 56, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 56, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 56, 79);  
box-shadow:4px 4px 4px 4px rgb(250, 56,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2498, 23.7169, 9.7481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 56, 79) }
```

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

```
.background{ background-color: rgb(250, 56,  
79) }
```

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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