

Converting Colors

XYZ(41.0517, 23.9516, 14.4679)

Have a look what the booklet for
XYZ(41.0517, 23.9516, 14.4679)
contains.

XYZ(40.9853, 23.9316, 14.5157)	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(40.9853, 23.9316,
14.5157)**

Conversions

Conversions Part 1

Format	Color
Hex	F24464
RGB	242, 68, 100
RGB Percent	95%, 27%, 39%
CMY	0.0510, 0.7333, 0.6078
CMYK	0.00, 0.72, 0.59, 0.05
HSL	349°, 87%, 61%
HSV	349°, 72%, 95%
XYZ	40.9853, 23.9316, 14.5157
YIQ	123.6740, 93.4320, 46.8400

Conversions

Conversions Part 2

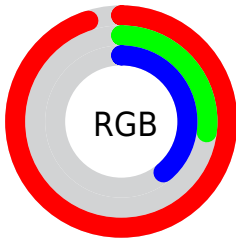
Format	Color
R_{YB}	242, 68, 100
Decimal	15877220
CIE _{Lab}	56.02, 67.32, 22.00
CIE _{LCh}	56, 70.822, 18.099
Yxy	23.9316, 0.5160, 0.3013
Android (android.graphics.Color)	4294067300 (0xFFFF24464)
YUV	123.6740, -11.6713, 103.7719
Hunter-Lab	48.9199, 63.9381, 16.6512

Details

The XYZ color **40.9853, 23.9316, 14.5157** 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 **45.7709, 69.3870, 71.9607**, and the grayscale version is **19.0672, 20.0601, 21.8455**.

A 20% lighter version of the original color is **54.5451, 38.9327, 33.9181**, and **19.2563, 9.8500, 4.3764** is the 20% darker color. If you saturate the color by 10%, you get **38.9687, 21.2474, 9.6852**, and if you desaturate by 10%, it is **43.8384, 27.9183, 20.7685**.

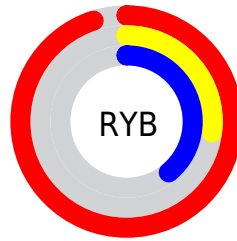
Distribution



Red (95%)

Green (27%)

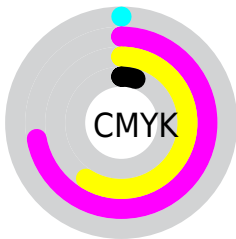
Blue (39%)



Red (95%)

Yellow (27%)

Blue (39%)

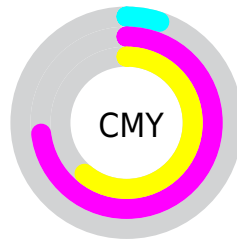


Cyan (0%)

Magenta (72%)

Yellow (59%)

Black (5%)



Cyan (5%)


Magenta (73%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9853, 23.9316, 14.5157 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 40.9853, 23.9316, 14.5157 by changing the saturation by 10% instead.

 40.9853, 23.9316,
14.5157


 40.9853, 23.9316,
14.5157


341.3228,
272.4745, 231.9548


 28.4952, 15.2829,
8.3374


 75.9364, 49.9186,
34.7315

 18.8417, 9.0182,
4.2207


 99.1282, 68.0256,
49.6061


 11.6592, 4.7530,
1.7472


 126.6179, 90.0542,
68.2165

 6.5826, 2.1031,
0.3928

 158.7709,
116.3888, 90.9812

 3.2465, 0.6664,
0.0000

 195.9525,
147.4137, 118.3189

 1.2854, 0.0000,
0.0000

238.5281,

 0.1723, 0.0000,

183.5133, 150.6480

0.0000

286.8631,
225.0721, 188.3871

■ 0.0000, 0.0000,
0.0000

■ 40.9853, 23.9316,
14.5157

■ 40.9853, 23.9316,
14.5157

■ 38.9687, 21.2474,
9.6852

■ 43.8384, 27.9183,
20.7685

■ 37.6900, 19.6954,
6.1596


■ 47.6077, 33.3420,
28.5453


■ 37.0817, 19.0627,
4.1568

■ 52.3655, 40.3247,
37.9394

■ 58.1760, 48.9745,
49.0364

■ 65.0982, 59.3896,
61.9155

 73.1864, 71.6608,
76.6510

 82.4915, 85.8724,
93.3130

 90.4277, 97.6171,
108.6837

Harmonies

Analogous

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



41.6337, 23.9316, 36.3763



40.9853, 23.9316, 14.5157



34.8082, 23.9316, 4.9662

Triad

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



40.9853, 23.9316, 14.5157



13.0151, 23.9316, 6.1828



19.6844, 23.9316, 98.5640

Complementary

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



40.9853, 23.9316, 14.5157



45.7709, 69.3870, 71.9607

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.



13.8527, 23.9316, 75.3243



40.9853, 23.9316, 14.5157



10.6603, 23.9316, 17.9017

Square

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



40.9853, 23.9316, 14.5157



18.2446, 23.9316, 2.5011



10.9253, 23.9316, 42.5076



27.9335, 23.9316, 95.5661

Rectangle

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



40.9853, 23.9316, 14.5157



29.0616, 23.9316, 2.7193



10.9253, 23.9316, 42.5076



17.4193, 23.9316, 93.1798

Sweetspot

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



40.9859, 23.9330, 14.5161



73.1756, 66.6749, 69.4735



43.8834, 23.8410, 86.2928



15.1828, 13.5470, 13.9844



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.



40.9859, 23.9330, 14.5161



43.1670, 23.0257, 9.0102



44.4031, 32.7778, 9.4573



15.8915, 15.8063, 16.9848



19.9567, 10.2551, 2.4226



1.6930, 0.8662, 0.3742

Inverse Universe

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



40.9859, 23.9330, 14.5161



43.1670, 23.0257, 9.0102



36.7825, 44.3819, 90.6318



15.8915, 15.8063, 16.9848



19.9567, 10.2551, 2.4226



1.6930, 0.8662, 0.3742

Previews

White Background



This preview shows how the XYZ color 40.9853, 23.9316, 14.5157 looks on a white background.

Color Contrast Check

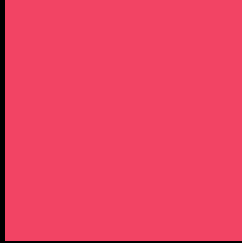
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.9853, 23.9316, 14.5157 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 40.9853, 23.9316, 14.5157

Background



This preview shows how black text looks on a background with the XYZ color 40.9853, 23.9316, 14.5157.

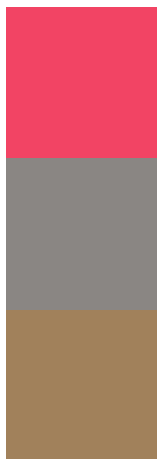


This preview shows how white text looks on a background with the XYZ color 40.9853, 23.9316,

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

40.9853, 23.9316, 14.5157

Protanopia

23.1031, 24.0922, 24.9053

Deuteranopia

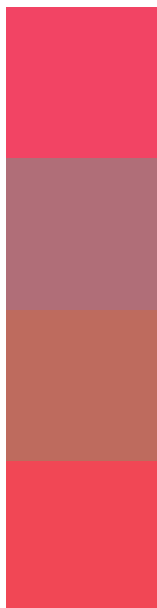
24.4365, 24.0329, 13.2484



Tritanopia

39.9627, 23.9877, 9.3613

Trichromacy



Original Color

40.9853, 23.9316, 14.5157

Protanomaly

26.8706, 21.7380, 20.5489

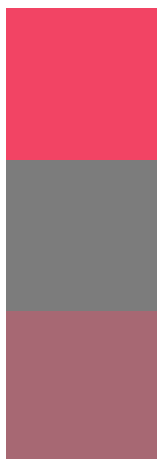
Deuteranomaly

28.5133, 22.2707, 13.3855

Tritanomaly

40.1686, 23.8631, 11.0833

Monochromacy



Original Color

40.9853, 23.9316, 14.5157

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

23.9812, 19.3539, 18.6914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9853, 23.9316, 14.5157 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, 68, 100)` looks like.

```
.text, #text, p{  
    color:rgb(242, 68, 100)  
}
```

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, 68, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 68, 100) }
```

Border

The CSS property to change the border of an element to XYZ 40.9853, 23.9316, 14.5157 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, 68, 100) }
```


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

```
.border{ border-color:rgb(242, 68, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 68, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 68, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 68, 100);  
box-shadow:4px 4px 4px 4px rgb(242, 68,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9853, 23.9316, 14.5157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 68, 100) }
```

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

```
.background{ background-color: rgb(242, 68,  
100) }
```

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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