

Converting Colors

XYZ(42.6549, 23.5844, 30.2519)

Have a look what the booklet for
XYZ(42.6549, 23.5844, 30.2519)
contains.

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Color

**XYZ(42.7935, 23.6895,
30.3340)**

Conversions

Conversions Part 1	
Format	Color
Hex	F03A94
RGB	240, 58, 148
RGB Percent	94%, 23%, 58%
CMY	0.0588, 0.7725, 0.4196
CMYK	0.00, 0.76, 0.38, 0.06
HSL	330°, 86%, 58%
HSV	330°, 76%, 94%
XYZ	42.7935, 23.6895, 30.3340
YIQ	122.6780, 79.5820, 66.5740

Conversions

Conversions Part 2

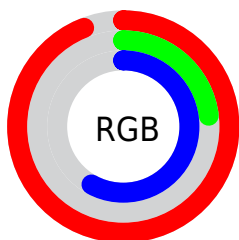
Format	Color
RYB	240, 58, 148
Decimal	15743636
CIELab	55.78, 73.84, -6.87
CIELCh	56, 74.163, 354.683
Yxy	23.6895, 0.4420, 0.2447
Android (android.graphics.Color)	4293933716 (0xFFFF03A94)
YUV	122.6780, 12.4837, 102.8914
Hunter-Lab	48.6719, 71.7658, -2.8813

Details

The XYZ color **42.7935, 23.6895, 30.3340** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **38.4118, 65.4224, 39.4628**, and the grayscale version is **18.6646, 19.6366, 21.3843**.

A 20% lighter version of the original color is **58.7380, 39.1990, 60.3474**, and **20.7481, 10.4468, 12.2321** is the 20% darker color. If you saturate the color by 10%, you get **40.9421, 21.4439, 25.2245**, and if you desaturate by 10%, it is **45.3102, 27.1045, 36.1623**.

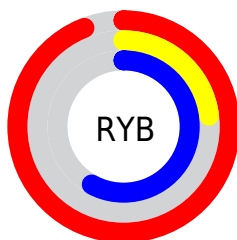
Distribution



Red (94%)

Green (23%)

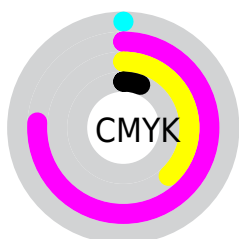
Blue (58%)



Red (94%)

Yellow (23%)

Blue (58%)

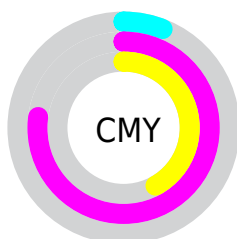


Cyan (0%)

Magenta (76%)

Yellow (38%)

Black (6%)



Cyan (6%)

Magenta (77%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7935, 23.6895, 30.3340 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 42.7935, 23.6895, 30.3340 by changing the saturation by 10% instead.


 42.7935, 23.6895, 30.3340	 42.7935, 23.6895, 30.3340
348.6978, 271.2469, 317.7138	 29.9169, 15.1035, 19.8380
 78.6568, 49.5230, 61.2572	 19.9233, 8.8920, 12.0945
 102.3743, 67.5393, 82.5216	 12.4473, 4.6708, 6.6847
 130.4361, 89.4678, 108.2124	 7.1234, 2.0554, 3.1903
 163.2076, 115.6928, 138.7484	 3.5864, 0.6394, 1.1926
 201.0542, 146.5989, 174.5480	 1.4709, 0.0000, 0.0000
244.3411,	 0.3059, 0.0000,


182.5703, 216.0297


0.0000


293.4339,
223.9915, 263.6122


 0.0000, 0.0000,
0.0000

 42.7935, 23.6895,
30.3340


 42.7935, 23.6895,
30.3340


 40.9421, 21.4439,
25.2245


 45.3102, 27.1045,
36.1623


 39.6652, 20.1911,
20.7877


 48.5625, 31.8248,
42.7469


 39.2453, 19.8493,
19.1128


 52.6131, 37.9714,
50.1229


 57.5173, 45.6505,
58.3220

 63.3252, 54.9581,
67.3739

 70.0828, 65.9821,
77.3066

 77.8329, 78.8042,
88.1462

 86.6157, 93.5009,
99.9180

 89.7451, 97.2652,
108.6517

Harmonies

Analogous

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



38.4817, 23.6895, 62.9630



42.7935, 23.6895, 30.3340



40.6666, 23.6895, 10.8702

Triad

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



42.7935, 23.6895, 30.3340



16.4085, 23.6895, 2.4371



14.3926, 23.6895, 85.1537

Complementary

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



42.7935, 23.6895, 30.3340



38.4118, 65.4224, 39.4628

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.



10.7752, 23.6895, 50.4107



42.7935, 23.6895, 30.3340



11.7195, 23.6895, 7.2004

Square

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



42.7935, 23.6895, 30.3340



24.0502, 23.6895, 1.6918



9.9354, 23.6895, 21.7309



21.0488, 23.6895, 105.0021

Rectangle

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



42.7935, 23.6895, 30.3340



36.1029, 23.6895, 4.9959



9.9354, 23.6895, 21.7309



12.8540, 23.6895, 74.0762

Sweetspot

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



42.7942, 23.6908, 30.3344



74.6975, 66.3533, 80.3558



29.6375, 15.7089, 83.9080



15.4217, 13.2841, 16.3474



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.



42.7942, 23.6908, 30.3344



46.1106, 23.6969, 26.0717



38.2129, 21.8583, 6.2098



16.0987, 15.8892, 18.0758



21.5505, 10.8926, 10.8156



1.8430, 0.9262, 1.1640

Inverse Universe

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



42.7942, 23.6908, 30.3344



46.1106, 23.6969, 26.0717



48.6339, 69.5113, 93.2917



16.0987, 15.8892, 18.0758



21.5505, 10.8926, 10.8156



1.8430, 0.9262, 1.1640

Previews

White Background



This preview shows how the XYZ color 42.7935, 23.6895, 30.3340 looks on a white background.

Color Contrast Check

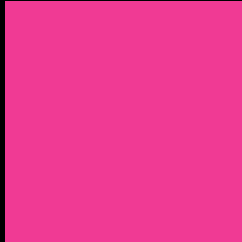
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.7935, 23.6895, 30.3340 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 42.7935, 23.6895, 30.3340

Background



This preview shows how black text looks on a background with the XYZ color 42.7935, 23.6895, 30.3340.



This preview shows how white text looks on a background with the XYZ color 42.7935, 23.6895,

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

42.7935, 23.6895, 30.3340

Protanopia

25.0251, 23.9988, 55.5378

Deuteranopia

24.3199, 23.8491, 27.7476



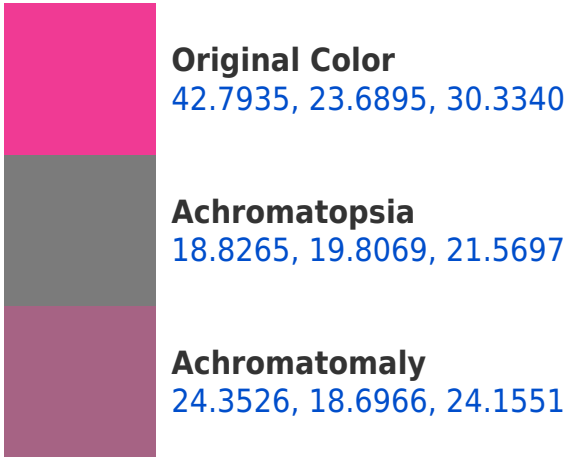
Tritanopia

38.7312, 23.7347, 10.3245

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7935, 23.6895, 30.3340 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(240, 58, 148) looks like.

```
.text, #text, p{  
    color:rgb(240, 58, 148)  
}
```

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(240, 58, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 58, 148) }
```

Border

The CSS property to change the border of an element to XYZ 42.7935, 23.6895, 30.3340 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(240, 58, 148) }
```

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

```
.border{ border-color:rgb(240, 58, 148) }
```

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

Here you see how a box with a 4 pixel rgb(240, 58, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 58, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 58, 148);  
box-shadow:4px 4px 4px 4px rgb(240, 58,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7935, 23.6895, 30.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 58, 148) }
```

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

```
.background{ background-color: rgb(240, 58,  
148) }
```

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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