

Converting Colors

XYZ(42.8251, 24.1425, 14.8790)

Have a look what the booklet for
XYZ(42.8251, 24.1425, 14.8790)
contains.

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Color

**XYZ(42.6736, 24.0437,
14.9621)**

Conversions

Conversions Part 1

Format	Color
Hex	F83B66
RGB	248, 59, 102
RGB Percent	97%, 23%, 40%
CMY	0.0275, 0.7686, 0.6000
CMYK	0.00, 0.76, 0.59, 0.03
HSL	346°, 93%, 60%
HSV	346°, 76%, 97%
XYZ	42.6736, 24.0437, 14.9621
YIQ	120.4130, 98.8410, 53.4410

Conversions

Conversions Part 2

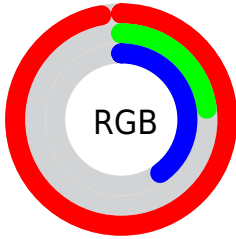
Format	Color
R_{YB}	248, 59, 102
Decimal	16268134
CIE _{Lab}	56.13, 71.95, 21.16
CIE _{LCh}	56, 74.998, 16.387
Yxy	24.0437, 0.5225, 0.2944
Android (android.graphics.Color)	4294458214 (0xFFFF83B66)
YUV	120.4130, -9.0776, 111.8938
Hunter-Lab	49.0344, 69.5347, 16.2326

Details

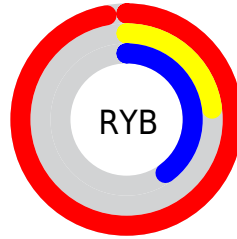
The XYZ color **42.6736, 24.0437, 14.9621** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **46.3928, 72.4731, 69.3099**, and the grayscale version is **17.9929, 18.9299, 20.6147**.

A 20% lighter version of the original color is **53.9493, 37.4790, 34.5277**, and **20.4810, 10.4759, 4.6840** is the 20% darker color. If you saturate the color by 10%, you get **40.8446, 21.7348, 10.1940**, and if you desaturate by 10%, it is **45.3281, 27.6527, 21.0889**.

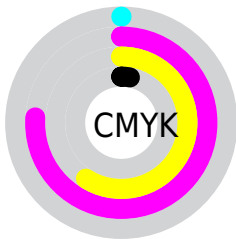
Distribution



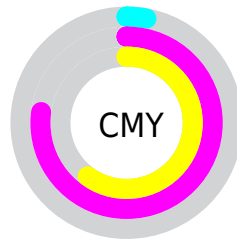
- Red (97%)
- Green (23%)
- Blue (40%)



- Red (97%)
- Yellow (23%)
- Blue (40%)



- Cyan (0%)
- Magenta (76%)
- Yellow (59%)
- Black (3%)





- Cyan (3%)
- Magenta (77%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6736, 24.0437, 14.9621 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 42.6736, 24.0437, 14.9621 by changing the saturation by 10% instead.


 42.6736, 24.0437,
14.9621

 42.6736, 24.0437,
14.9621

348.2120,
273.0413, 234.7696


 29.8225, 15.3660,
8.6465


 78.4769, 50.1015,
35.5280


 19.8513, 9.0767,
4.4177


 102.1598, 68.2504,
50.6154


 12.3946, 4.7912,
1.8572

 130.1839, 90.3252,
69.4638

 7.0871, 2.1253,
0.4653

 162.9148,
116.7103, 92.4917

 3.5635, 0.6788,
0.0000

 200.7177,
147.7901, 120.1177

 1.4583, 0.0000,
0.0000

243.9580,

 0.2972, 0.0000,

183.9489, 152.7603

0.0000

293.0010,
225.5712, 190.8381

■ 0.0000, 0.0000,
0.0000

■ 42.6736, 24.0437,
14.9621

■ 42.6736, 24.0437,
14.9621

■ 40.8446, 21.7348,
10.1940

■ 45.3281, 27.6527,
21.0889

■ 39.7297, 20.5273,
6.6714


■ 48.8959, 32.7145,
28.6717


■ 39.4350, 20.2459,
5.6234


■ 53.4551, 39.3650,
37.7994

■ 59.0746, 47.7233,
48.5534

■ 65.8171, 57.8971,
61.0089

 73.7403, 69.9851,
75.2367

 82.8979, 84.0788,
91.3033

 92.5212, 98.6963,
108.7817

Harmonies

Analogous

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



42.9885, 24.0437, 38.9844



42.6736, 24.0437, 14.9621



36.2637, 24.0437, 4.6815

Triad

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



42.6736, 24.0437, 14.9621



12.8488, 24.0437, 5.2150



19.1772, 24.0437, 104.4619

Complementary

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



42.6736, 24.0437, 14.9621



46.3928, 72.4731, 69.3099

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.



13.2382, 24.0437, 77.6212



42.6736, 24.0437, 14.9621



10.2535, 24.0437, 16.5392

Square

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



42.6736, 24.0437, 14.9621



18.4976, 24.0437, 1.9597



10.3754, 24.0437, 41.9433



27.8430, 24.0437, 102.9765

Rectangle

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



42.6736, 24.0437, 14.9621



30.1379, 24.0437, 2.3452



10.3754, 24.0437, 41.9433



16.8479, 24.0437, 97.9719

Sweetspot

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



42.6742, 24.0451, 14.9625



72.6533, 65.5357, 69.5910



43.3832, 22.7304, 90.9072



14.9333, 13.0888, 13.7757



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.



42.6742, 24.0451, 14.9625



42.8406, 22.3889, 8.8521



45.0135, 31.2974, 7.8082



17.4063, 17.2899, 18.7293



21.3465, 10.9543, 3.2672



2.0155, 1.0299, 0.5052

Inverse Universe

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



42.6742, 24.0451, 14.9625



42.8406, 22.3889, 8.8521



38.8513, 47.9147, 96.0072



17.4063, 17.2899, 18.7293



21.3465, 10.9543, 3.2672



2.0155, 1.0299, 0.5052

Previews

White Background



This preview shows how the XYZ color 42.6736, 24.0437, 14.9621 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 42.6736, 24.0437, 14.9621 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 42.6736, 24.0437, 14.9621

Background



This preview shows how black text looks on a background with the XYZ color 42.6736, 24.0437, 14.9621.



This preview shows how white text looks on a background with the XYZ color 42.6736, 24.0437,

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

42.6736, 24.0437, 14.9621

Protanopia

23.3570, 24.1747, 27.1020

Deuteranopia

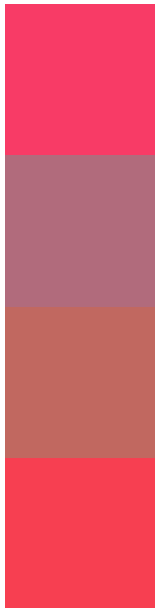
24.5240, 24.0679, 13.7089



Tritanopia

41.3802, 24.1003, 8.1011

Trichromacy



Original Color

42.6736, 24.0437, 14.9621

Protanomaly

27.0272, 21.3177, 21.7590

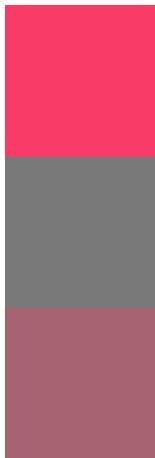
Deuteranomaly

29.0540, 22.0826, 13.7974

Tritanomaly

41.6205, 23.9233, 10.2086

Monochromacy



Original Color

42.6736, 24.0437, 14.9621

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

23.2847, 18.1431, 17.8975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6736, 24.0437, 14.9621 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(248, 59, 102)` looks like.

```
.text, #text, p{  
    color:rgb(248, 59, 102)  
}
```

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(248, 59, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 59, 102) }
```

Border

The CSS property to change the border of an element to XYZ 42.6736, 24.0437, 14.9621 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(248, 59, 102) }
```


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

```
.border{ border-color:rgb(248, 59, 102) }
```

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

Here you see how a box with a 4 pixel rgb(248, 59, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 59, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 59, 102);  
box-shadow:4px 4px 4px 4px rgb(248, 59,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6736, 24.0437, 14.9621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 59, 102) }
```

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

```
.background{ background-color: rgb(248, 59,  
102) }
```

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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