

# Converting Colors

XYZ(42.1571, 26.2412, 15.0193)

Have a look what the booklet for  
XYZ(42.1571, 26.2412, 15.0193)  
contains.

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# Color

**XYZ(42.1667, 26.2943,  
14.9095)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F25564
RGB	242, 85, 100
RGB Percent	95%, 33%, 39%
CMY	0.0510, 0.6666, 0.6078
CMYK	0.00, 0.65, 0.59, 0.05
HSL	354°, 86%, 64%
HSV	354°, 65%, 95%
XYZ	42.1667, 26.2943, 14.9095
YIQ	133.6530, 88.7570, 37.9490

# Conversions

## Conversions Part 2

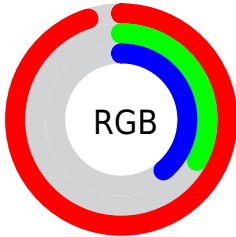
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 85, 100
Decimal	15881572
CIE <sub>Lab</sub>	58.32, 61.02, 25.04
CIE <sub>LCh</sub>	58, 65.956, 22.316
Yxy	26.2943, 0.5058, 0.3154
Android (android.graphics.Color)	4294071652 (0xFFFF25564)
YUV	133.6530, -16.5909, 95.0203
Hunter-Lab	51.2780, 57.0470, 18.6555

# Details

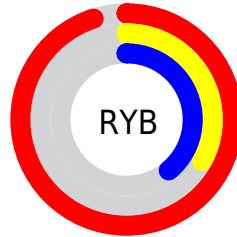
The XYZ color **42.1667, 26.2943, 14.9095** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted rose. A complement of this color would be **49.3654, 70.9822, 83.7782**, and the grayscale version is **22.5700, 23.7454, 25.8587**.

A 20% lighter version of the original color is **56.4989, 42.8404, 34.5694**, and **19.6735, 10.3402, 4.4490** is the 20% darker color. If you saturate the color by 10%, you get **39.6555, 22.7460, 9.5291**, and if you desaturate by 10%, it is **45.6148, 31.2616, 22.0065**.

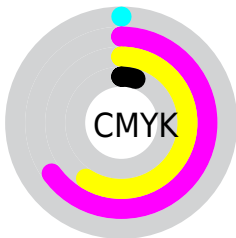
# Distribution



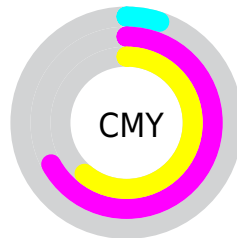
- Red (95%)
- Green (33%)
- Blue (39%)



- Red (95%)
- Yellow (33%)
- Blue (39%)



- Cyan (0%)
- Magenta (65%)
- Yellow (59%)
- Black (5%)




- Cyan (5%)
- Magenta (67%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1667, 26.2943, 14.9095 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 42.1667, 26.2943, 14.9095 by changing the saturation by 10% instead.





 42.1667, 26.2943,  
14.9095


 42.1667, 26.2943,  
14.9095


346.1534,  
284.2238, 234.4397


 29.4235, 17.0439,  
8.6100


 77.7154, 53.7493,  
35.4344


 19.5473, 10.2658,  
4.3944


 101.2517, 72.7228,  
50.4968

 12.1728, 5.5756,  
1.8441

 129.1164, 95.7061,  
69.3174

 6.9345, 2.5888,  
0.4568

 161.6748,  
123.0836, 92.3145

 3.4671, 0.9210,  
0.0000

199.2924,  
155.2398, 119.9067

 1.4053, 0.0000,  
0.0000

242.3345,

 0.2600, 0.0000,

192.5589, 152.5126

0.0000

291.1663,  
235.4255, 190.5508

■ 0.0000, 0.0000,  
0.0000

■ 42.1667, 26.2943,  
14.9095

■ 42.1667, 26.2943,  
14.9095

■ 39.6555, 22.7460,  
9.5291

■ 45.6148, 31.2616,  
22.0065

■ 37.9865, 20.4638,  
5.7178

■ 50.0787, 37.7714,  
30.9482


■ 37.0479, 19.2676,  
3.3051


■ 55.6306, 45.9388,  
41.8520

■ 36.7735, 18.9395,  
2.5338

■ 62.3361, 55.8668,  
54.8249

■ 70.2553, 67.6499,  
69.9665

 79.4441, 81.3758,  
87.3697

 89.9550, 97.1270,  
107.1221

 90.4278, 97.6172,  
108.6837

# Harmonies

## Analogous

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



43.6254, 26.2943, 34.9580



42.1667, 26.2943, 14.9095



35.6669, 26.2943, 5.9588

# Triad

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



42.1667, 26.2943, 14.9095



14.6572, 26.2943, 9.2152



22.9840, 26.2943, 98.5988

# Complementary

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



42.1667, 26.2943, 14.9095



49.3654, 70.9822, 83.7782

# 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.



16.6927, 26.2943, 79.8094



42.1667, 26.2943, 14.9095



12.6023, 26.2943, 23.1158

# Square

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



42.1667, 26.2943, 14.9095



19.5764, 26.2943, 4.1143



13.2580, 26.2943, 48.9134



31.3241, 26.2943, 92.1009



# Rectangle

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



42.1667, 26.2943, 14.9095



29.9809, 26.2943, 3.7881



13.2580, 26.2943, 48.9134



20.5896, 26.2943, 94.7898

# Sweetspot

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



42.1673, 26.2958, 14.9099



75.2240, 70.3799, 71.3641



50.7346, 29.1267, 86.9520



15.5589, 14.2578, 14.2376



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.



42.1673, 26.2958, 14.9099



43.9322, 24.6073, 9.1076



48.8173, 40.6521, 13.8700



15.8341, 15.7834, 16.6826



19.7769, 10.1832, 1.4756



1.6658, 0.8554, 0.2311



# Inverse Universe

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



42.1673, 26.2958, 14.9099



43.9322, 24.6073, 9.1076



35.9351, 40.6644, 89.9591



15.8341, 15.7834, 16.6826



19.7769, 10.1832, 1.4756



1.6658, 0.8554, 0.2311



# Previews

## White Background



This preview shows how the XYZ color 42.1667, 26.2943, 14.9095 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 42.1667, 26.2943, 14.9095 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 42.1667, 26.2943, 14.9095**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.1667, 26.2943, 14.9095.



This preview shows how white text looks on a background with the XYZ color 42.1667, 26.2943,



# 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

42.1667, 26.2943, 14.9095

### Protanopia

25.1124, 26.4399, 23.1819

### Deuteranopia

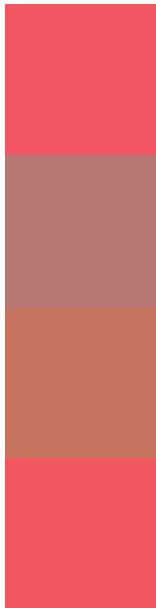
26.8190, 26.2579, 13.7800



## Tritanopia

41.8775, 26.3055, 12.9955

# Trichromacy



## Original Color

42.1667, 26.2943, 14.9095

## Protanomaly

29.1603, 24.6390, 19.7419

## Deuteranomaly

31.0759, 25.0528, 14.0243

## Tritanomaly

42.0113, 26.3590, 13.7000

# Monochromacy



## Original Color

42.1667, 26.2943, 14.9095

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

26.9918, 22.7802, 21.3867

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.1667, 26.2943, 14.9095 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, 85, 100)` looks like.

```
.text, #text, p{  
    color:rgb(242, 85, 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, 85, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 85, 100) }
```

## Border

The CSS property to change the border of an element to XYZ 42.1667, 26.2943, 14.9095 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, 85, 100) }
```



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

```
.border{ border-color:rgb(242, 85, 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, 85, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 85, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 85, 100);  
box-shadow:4px 4px 4px 4px rgb(242, 85,  
100) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.1667, 26.2943, 14.9095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 85, 100) }
```

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

```
.background{ background-color: rgb(242, 85,  
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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