

# Converting Colors

XYZ(43.9818, 22.7939, 15.0203)

Have a look what the booklet for  
XYZ(43.9818, 22.7939, 15.0203)  
contains.

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# Color

**XYZ(43.9563, 22.7756,  
14.9113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF1567
RGB	255, 21, 103
RGB Percent	100%, 8%, 40%
CMY	0.0000, 0.9175, 0.5961
CMYK	0.00, 0.92, 0.60, 0.00
HSL	339°, 100%, 54%
HSV	339°, 92%, 100%
XYZ	43.9563, 22.7756, 14.9113
YIQ	100.3140, 113.1420, 75.1100

# Conversions

## Conversions Part 2

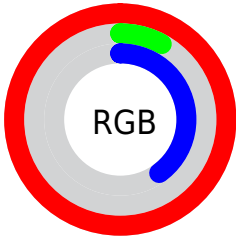
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 21, 103</a>
Decimal	<a href="#">16717159</a>
CIELab	<a href="#">54.84, 81.31, 19.05</a>
CIElCh	<a href="#">55, 83.516, 13.185</a>
Yxy	<a href="#">22.7756, 0.5384, 0.2790</a>
Android (android.graphics.Color)	<a href="#">4294907239 (0xFFFF1567)</a>
YUV	<a href="#">100.3140, 1.3242, 135.6596</a>
Hunter-Lab	<a href="#">47.7238, 80.8919, 14.8815</a>

# Details

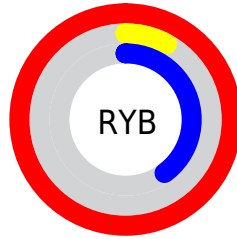
The XYZ color **43.9563, 22.7756, 14.9113** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **43.6166, 74.6981, 51.6750**, and the grayscale version is **12.1753, 12.8094, 13.9494**.

A 20% lighter version of the original color is **51.9230, 33.2936, 34.2615**, and **21.9737, 11.2426, 4.8828** is the 20% darker color. If you saturate the color by 10%, you get **43.0568, 21.9867, 11.4985**, and if you desaturate by 10%, it is **45.6020, 24.6020, 19.9770**.

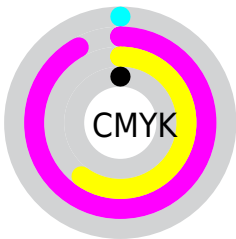
# Distribution



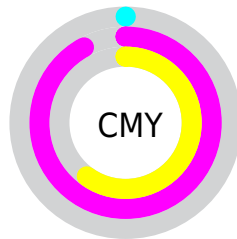
- Red (100%)
- Green (8%)
- Blue (40%)



- Red (100%)
- Yellow (8%)
- Blue (40%)



- Cyan (0%)
- Magenta (92%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (92%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.9563, 22.7756, 14.9113 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 43.9563, 22.7756, 14.9113 by changing the saturation by 10% instead.





 43.9563, 22.7756,  
14.9113


 43.9563, 22.7756,  
14.9113


353.3851,  
266.5703, 234.4510

 30.8339, 14.4279,  
8.6112


 80.3987, 48.0246,  
35.4376

 20.6236, 8.4189,  
4.3951


 104.4495, 65.6947,  
50.5009


 12.9600, 4.3641,  
1.8445


 132.8738, 87.2410,  
69.3224

 7.4779, 1.8793,  
0.4571

 166.0369,  
113.0480, 92.3205

 3.8117, 0.5359,  
0.0000

 204.3042,  
143.5000, 119.9139

 1.5961, 0.0000,  
0.0000

248.0412,

 0.3899, 0.0000,

178.9815, 152.5211

0.0000

297.6130,  
219.8768, 190.5606

■ 0.0000, 0.0000,  
0.0000

■ 43.9563, 22.7756,  
14.9113

■ 43.9563, 22.7756,  
14.9113

■ 43.0568, 21.9867,  
11.4985

■ 45.6020, 24.6020,  
19.9770

■ 48.0132, 27.6813,  
26.1550

■ 51.2897, 32.1996,  
33.5196

■ 55.5144, 38.3106,  
42.1369

■ 60.7601, 46.1479,  
52.0674

67.0920, 55.8311,  
63.3672

74.5699, 67.4689,  
76.0888

83.2489, 81.1615,  
90.2817

93.1806, 97.0024,  
105.9929

# Harmonies

## Analogous

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



43.4909, 22.7756, 42.6182



43.9563, 22.7756, 14.9113



37.3539, 22.7756, 3.7351

# Triad

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



43.9563, 22.7756, 14.9113



11.6250, 22.7756, 3.1263



16.9048, 22.7756, 112.3220

# Complementary

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



43.9563, 22.7756, 14.9113



43.6166, 74.6981, 51.6750

# 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.



11.1071, 22.7756, 78.4441



43.9563, 22.7756, 14.9113



8.7076, 22.7756, 12.8015

# Square

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



43.9563, 22.7756, 14.9113



17.8436, 22.7756, 0.9255



8.5499, 22.7756, 38.3055



25.9570, 22.7756, 114.6213



# Rectangle

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



43.9563, 22.7756, 14.9113



30.6899, 22.7756, 1.4682



8.5499, 22.7756, 38.3055



14.5825, 22.7756, 103.5405

# Sweetspot

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



43.9569, 22.7770, 14.9116



69.7582, 59.9593, 67.9670



34.7271, 16.2166, 95.9069



14.2773, 11.8218, 13.4181



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.



43.9569, 22.7770, 14.9116



43.0571, 21.9868, 11.4986



42.6140, 23.7912, 3.0576



18.2721, 18.0922, 20.0501



22.5618, 11.5140, 6.3431



2.2462, 1.1408, 0.8778



# Inverse Universe

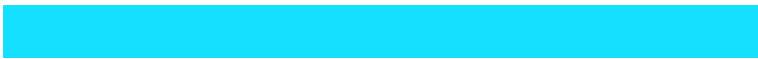
The Inverse Universe completely reimagines the original color for something new.



43.9569, 22.7770, 14.9116



43.0571, 21.9868, 11.4986



44.9633, 60.5863, 103.9317



18.2721, 18.0922, 20.0501



22.5618, 11.5140, 6.3431



2.2462, 1.1408, 0.8778



# Previews

## White Background



This preview shows how the XYZ color 43.9563, 22.7756, 14.9113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

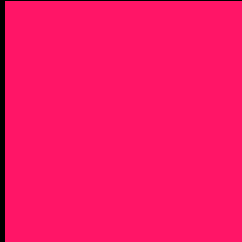
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.9563, 22.7756, 14.9113 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 43.9563, 22.7756, 14.9113**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.9563, 22.7756, 14.9113.



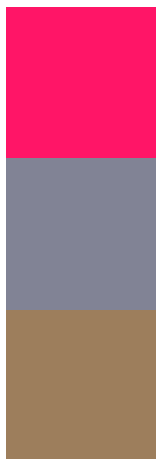
This preview shows how white text looks on a background with the XYZ color 43.9563, 22.7756,



# 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

43.9563, 22.7756, 14.9113

### Protanopia

22.5944, 23.0697, 31.6958

### Deuteranopia

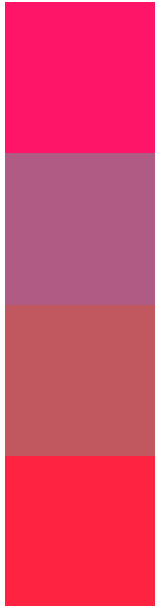
23.2972, 22.8625, 13.3102



## Tritanopia

41.8824, 22.9338, 4.5047

# Trichromacy



## Original Color

43.9563, 22.7756, 14.9113

## Protanomaly

25.5851, 18.2621, 24.0062

## Deuteranomaly

27.5934, 19.1614, 13.3105

## Tritanomaly

42.4581, 22.7142, 7.1475

# Monochromacy



## Original Color

43.9563, 22.7756, 14.9113

## Achromatopsia

12.1130, 12.7438, 13.8780

## Achromatomaly

18.3125, 12.5140, 13.7622

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.9563, 22.7756, 14.9113 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(255, 21, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 21, 103)  
}
```

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(255, 21, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 21, 103) }
```

## Border

The CSS property to change the border of an element to XYZ 43.9563, 22.7756, 14.9113 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(255, 21, 103) }
```



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

```
.border{ border-color:rgb(255, 21, 103) }
```

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

Here you see how a box with a 4 pixel rgb(255, 21, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 21, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 21, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 21,  
103) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.9563, 22.7756, 14.9113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 21, 103) }
```

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

```
.background{ background-color: rgb(255, 21,  
103) }
```

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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