

# Converting Colors

XYZ(40.4911, 21.5427, 10.2077)

Have a look what the booklet for  
XYZ(40.4911, 21.5427, 10.2077)  
contains.

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# Color

**XYZ(40.4911, 21.5427,  
10.2077)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F72253
RGB	247, 34, 83
RGB Percent	97%, 13%, 33%
CMY	0.0314, 0.8666, 0.6745
CMYK	0.00, 0.86, 0.66, 0.03
HSL	346°, 93%, 55%
HSV	346°, 86%, 97%
XYZ	40.4911, 21.5427, 10.2077
YIQ	103.2730, 111.2190, 60.3950

# Conversions

## Conversions Part 2

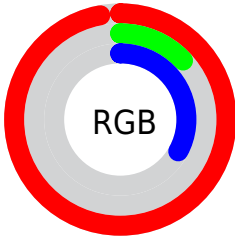
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 34, 83
Decimal	16196179
CIE Lab	53.54, 76.49, 29.04
CIE LCh	54, 81.814, 20.789
Yxy	21.5427, 0.5605, 0.2982
Android (android.graphics.Color)	4294386259 (0xFFFF72253)
YUV	103.2730, -9.9946, 126.0486
Hunter-Lab	46.4141, 74.4965, 19.4504

# Details

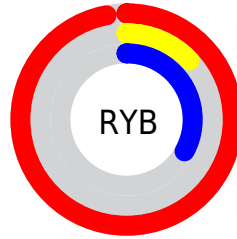
The XYZ color **40.4911, 21.5427, 10.2077** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **44.1167, 70.9399, 64.8076**, and the grayscale version is **12.9726, 13.6481, 14.8628**.

A 20% lighter version of the original color is **50.5589, 33.2340, 25.5799**, and **19.6576, 10.0916, 2.8313** is the 20% darker color. If you saturate the color by 10%, you get **39.3836, 20.3464, 6.6991**, and if you desaturate by 10%, it is **42.3066, 23.8334, 14.9462**.

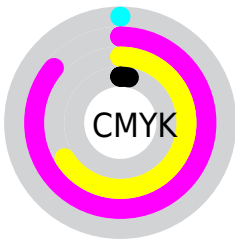
# Distribution



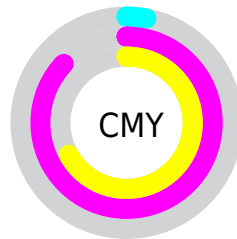
- Red (97%)
- Green (13%)
- Blue (33%)



- Red (97%)
- Yellow (13%)
- Blue (33%)



- Cyan (0%)
- Magenta (86%)
- Yellow (66%)
- Black (3%)




- Cyan (3%)
- Magenta (87%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4911, 21.5427, 10.2077 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 40.4911, 21.5427, 10.2077 by changing the saturation by 10% instead.




 40.4911, 21.5427,  
10.2077


 40.4911, 21.5427,  
10.2077


339.2882,  
260.1487, 202.6865

 28.1076, 13.5213,  
5.4295


 75.1904, 45.9890,  
26.7993


 18.5476, 7.7885,  
2.4383


 98.2368, 63.1827,  
39.4498

 11.4459, 3.9599,  
0.8072


 125.5683, 84.2025,  
55.5615

 6.4371, 1.6512,  
0.0000

 157.5501,  
109.4330, 75.5529

 3.1558, 0.3917,  
0.0000

 194.5476,  
139.2585, 99.8426

 1.2367, 0.0000,  
0.0000

236.9263,

 0.1350, 0.0000,

174.0633, 128.8490

0.0000

285.0513,  
214.2319, 162.9908

■ 0.0000, 0.0000,  
0.0000

■ 40.4911, 21.5427,  
10.2077

■ 40.4911, 21.5427,  
10.2077

■ 39.3836, 20.3464,  
6.6991

■ 42.3066, 23.8334,  
14.9462

■ 39.0911, 20.0674,  
5.6579

■ 44.9370, 27.4071,  
21.0238

■ 48.4713, 32.4206,  
28.5373

■ 52.9860, 39.0070,  
37.5738

■ 58.5493, 47.2841,  
48.2130

65.2232, 57.3585,  
60.5291

73.0647, 69.3280,  
74.5913

82.1269, 83.2831,  
90.4650

92.0357, 98.4613,  
108.0709

# Harmonies

## Analogous

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



41.8860, 21.5427, 32.0128



40.4911, 21.5427, 10.2077



33.0095, 21.5427, 2.4551

# Triad

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



40.4911, 21.5427, 10.2077



10.0383, 21.5427, 4.3123



17.9074, 21.5427, 109.9523

# Complementary

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



40.4911, 21.5427, 10.2077



44.1167, 70.9399, 64.8076

# 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.



11.5999, 21.5427, 83.8013



40.4911, 21.5427, 10.2077



7.9839, 21.5427, 16.5790

# Square

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



40.4911, 21.5427, 10.2077



15.0826, 21.5427, 1.1131



8.4603, 21.5427, 44.9606



27.0218, 21.5427, 103.0784



# Rectangle

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



40.4911, 21.5427, 10.2077



26.5031, 21.5427, 1.0549



8.4603, 21.5427, 44.9606



15.4393, 21.5427, 104.2968

# Sweetspot

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



40.4916, 21.5440, 10.2080



70.2658, 61.8833, 65.3344



40.4671, 19.7724, 89.6787



14.4754, 12.3901, 12.9536



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.



40.4916, 21.5440, 10.2080



42.0201, 21.5720, 6.0380



42.3721, 27.3407, 4.5593



16.6552, 16.5449, 17.9310



20.7187, 10.6309, 3.2270



1.8588, 0.9495, 0.4828



# Inverse Universe

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



40.4916, 21.5440, 10.2080



42.0201, 21.5720, 6.0380



35.9070, 43.9721, 94.5901



16.6552, 16.5449, 17.9310



20.7187, 10.6309, 3.2270



1.8588, 0.9495, 0.4828



# Previews

## White Background



This preview shows how the XYZ color 40.4911, 21.5427, 10.2077 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

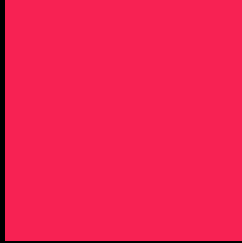
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.4911, 21.5427, 10.2077 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 40.4911, 21.5427, 10.2077**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.4911, 21.5427, 10.2077.



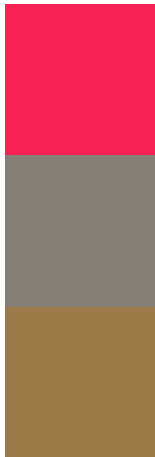
This preview shows how white text looks on a background with the XYZ color 40.4911, 21.5427,



# 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

40.4911, 21.5427, 10.2077

### Protanopia

20.7218, 21.7568, 20.5601

### Deuteranopia

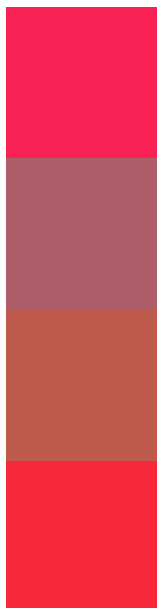
22.1573, 21.8019, 9.1713



## Tritanopia

39.3990, 21.6515, 4.4855

# Trichromacy



## Original Color

40.4911, 21.5427, 10.2077

## Protanomaly

24.0598, 18.0447, 15.8506

## Deuteranomaly

26.2808, 18.9511, 9.1103

## Tritanomaly

39.5627, 21.4842, 6.0647

# Monochromacy



## Original Color

40.4911, 21.5427, 10.2077

## Achromatopsia

12.8919, 13.5633, 14.7705

## Achromatomaly

18.3533, 13.2619, 12.6588

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.4911, 21.5427, 10.2077 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(247, 34, 83)` looks like.

```
.text, #text, p{  
    color:rgb(247, 34, 83)  
}
```

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(247, 34, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 34, 83) }
```

## Border

The CSS property to change the border of an element to XYZ 40.4911, 21.5427, 10.2077 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(247, 34, 83) }
```



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

```
.border{ border-color:rgb(247, 34, 83) }
```

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

Here you see how a box with a 4 pixel rgb(247, 34, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 34, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 34, 83);  
box-shadow:4px 4px 4px 4px rgb(247, 34,  
83) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.4911, 21.5427, 10.2077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 34, 83) }
```

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

```
.background{ background-color: rgb(247, 34,  
83) }
```

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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