

# Converting Colors

XYZ(41.7307, 22.0616, 12.2504)

Have a look what the booklet for  
XYZ(41.7307, 22.0616, 12.2504)  
contains.

<b>XYZ(41.8726, 22.1297, 12.1897)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(41.8726, 22.1297,  
12.1897)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA205C
RGB	250, 32, 92
RGB Percent	98%, 13%, 36%
CMY	0.0196, 0.8744, 0.6392
CMYK	0.00, 0.87, 0.63, 0.02
HSL	343°, 96%, 55%
HSV	343°, 87%, 98%
XYZ	41.8726, 22.1297, 12.1897
YIQ	104.0220, 110.6680, 64.8760

# Conversions

## Conversions Part 2

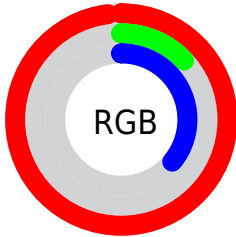
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	250, 32, 92
Decimal	16392284
CIE Lab	54.16, 78.02, 24.58
CIE LCh	54, 81.801, 17.488
Yxy	22.1297, 0.5496, 0.2904
Android (android.graphics.Color)	4294582364 (0xFFFA205C)
YUV	104.0220, -5.9268, 128.0227
Hunter-Lab	47.0422, 76.5602, 17.5662

# Details

The XYZ color **41.8726, 22.1297, 12.1897** 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 **44.0790, 72.3972, 60.3809**, and the grayscale version is **13.1621, 13.8476, 15.0800**.

A 20% lighter version of the original color is **51.2765, 33.5211, 29.3588**, and **20.5207, 10.5195, 3.6382** is the 20% darker color. If you saturate the color by 10%, you get **40.7323, 20.9692, 8.3578**, and if you desaturate by 10%, it is **43.7097, 24.3812, 17.1889**.

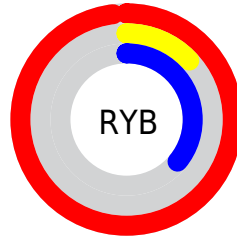
# Distribution



Red (98%)

Green (13%)

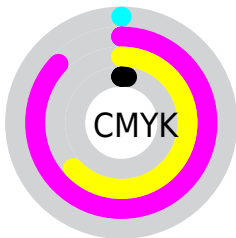
Blue (36%)



Red (98%)

Yellow (13%)

Blue (36%)

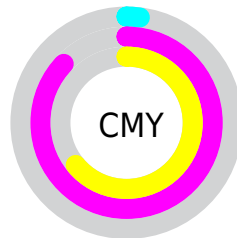


Cyan (0%)

Magenta (87%)

Yellow (63%)

Black (2%)



Cyan (2%)

Magenta (87%)


Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8726, 22.1297, 12.1897 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 41.8726, 22.1297, 12.1897 by changing the saturation by 10% instead.





 41.8726, 22.1297,  
12.1897


 41.8726, 22.1297,  
12.1897

344.9552,  
263.2229, 216.6794


 29.1922, 13.9522,  
6.7489


 77.2731, 46.9603,  
30.5097


 19.3713, 8.0874,  
3.2295


 100.7240, 64.3822,  
44.2260


 12.0445, 4.1510,  
1.2130


 128.4958, 85.6543,  
61.5378

 6.8464, 1.7584,  
0.0000

 160.9538,  
111.1611, 82.8637

 3.4117, 0.4610,  
0.0000

 198.4633,  
141.2870, 108.6223

 1.3750, 0.0000,  
0.0000

241.3899,

 0.2383, 0.0000,

176.4163, 139.2321

0.0000

290.0987,  
216.9335, 175.1116

■ 0.0000, 0.0000,  
0.0000

■ 41.8726, 22.1297,  
12.1897

■ 41.8726, 22.1297,  
12.1897

■ 40.7323, 20.9692,  
8.3578

■ 43.7097, 24.3812,  
17.1889


■ 40.4916, 20.7509,  
7.4665


■ 46.3557, 27.9274,  
23.4533


■ 49.9013, 32.9315,  
31.0693


■ 54.4238, 39.5315,  
40.1143

■ 59.9920, 47.8493,  
50.6596

 66.6682, 57.9949,  
62.7714

 74.5098, 70.0689,  
76.5119

 83.5700, 84.1646,  
91.9397

 93.2341, 99.0639,  
108.8150

# Harmonies

## Analogous

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



42.4823, 22.1297, 36.3124



41.8726, 22.1297, 12.1897



34.8032, 22.1297, 3.0402

# Triad

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



41.8726, 22.1297, 12.1897



10.7944, 22.1297, 3.8591



17.5484, 22.1297, 110.2456

# Complementary

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



41.8726, 22.1297, 12.1897



44.0790, 72.3972, 60.3809

# 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.



11.4800, 22.1297, 81.0688



41.8726, 22.1297, 12.1897



8.3841, 22.1297, 14.9813

# Square

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



41.8726, 22.1297, 12.1897



16.3105, 22.1297, 1.0786



8.5935, 22.1297, 41.9704



26.5904, 22.1297, 107.2466



# Rectangle

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



41.8726, 22.1297, 12.1897



28.2685, 22.1297, 1.2741



8.5935, 22.1297, 41.9704



15.1522, 22.1297, 103.3295

# Sweetspot

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



41.8731, 22.1311, 12.1900



70.6285, 62.0284, 67.2444



38.5708, 18.6585, 92.0105



14.5597, 12.4238, 13.3975



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.



41.8731, 22.1311, 12.1900



42.3506, 21.7042, 7.7783



42.4995, 26.0570, 4.1579



17.4408, 17.3037, 18.9111



21.5299, 11.0277, 4.2331



2.0367, 1.0384, 0.6168



# Inverse Universe

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



41.8731, 22.1311, 12.1900



42.3506, 21.7042, 7.7783



39.1538, 49.8138, 97.9934



17.4408, 17.3037, 18.9111



21.5299, 11.0277, 4.2331



2.0367, 1.0384, 0.6168



# Previews

## White Background



This preview shows how the XYZ color 41.8726, 22.1297, 12.1897 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

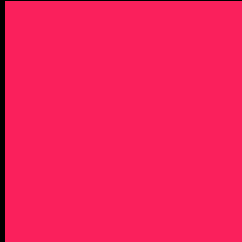
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.8726, 22.1297, 12.1897 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 41.8726, 22.1297, 12.1897**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8726, 22.1297, 12.1897.



This preview shows how white text looks on a background with the XYZ color 41.8726, 22.1297,



# 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

41.8726, 22.1297, 12.1897

### Protanopia

21.4627, 22.2447, 24.6352

### Deuteranopia

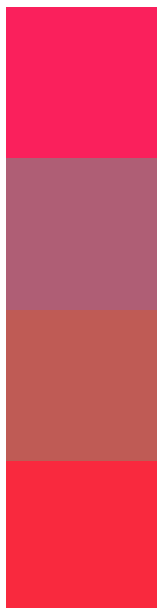
22.5975, 22.1775, 10.8742



## Tritanopia

40.1620, 22.0999, 4.6316

# Trichromacy



## Original Color

41.8726, 22.1297, 12.1897

## Protanomaly

24.8928, 18.4037, 19.0699

## Deuteranomaly

26.8666, 19.2144, 10.8871

## Tritanomaly

40.7294, 22.0734, 6.6713

# Monochromacy



## Original Color

41.8726, 22.1297, 12.1897

## Achromatopsia

13.1579, 13.8432, 15.0752

## Achromatomaly

18.9293, 13.5370, 13.6718

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8726, 22.1297, 12.1897 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(250, 32, 92)` looks like.

```
.text, #text, p{  
    color:rgb(250, 32, 92)  
}
```

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(250, 32, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 32, 92) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8726, 22.1297, 12.1897 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(250, 32, 92) }
```



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

```
.border{ border-color:rgb(250, 32, 92) }
```

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

Here you see how a box with a 4 pixel rgb(250, 32, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 32, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 32, 92);  
box-shadow:4px 4px 4px 4px rgb(250, 32,  
92) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8726, 22.1297, 12.1897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 32, 92) }
```

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

```
.background{ background-color: rgb(250, 32,  
92) }
```

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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