

# Converting Colors

XYZ(40.4621, 22.3216, 12.5507)

Have a look what the booklet for  
XYZ(40.4621, 22.3216, 12.5507)  
contains.

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# Color

**XYZ(40.4246, 22.3046,  
12.5305)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F4325D
RGB	244, 50, 93
RGB Percent	96%, 20%, 36%
CMY	0.0431, 0.8039, 0.6353
CMYK	0.00, 0.80, 0.62, 0.04
HSL	347°, 90%, 58%
HSV	347°, 80%, 96%
XYZ	40.4246, 22.3046, 12.5305
YIQ	112.9080, 101.8210, 54.5010

# Conversions

## Conversions Part 2

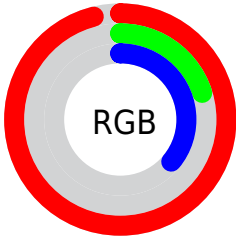
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 50, 93
Decimal	16003677
CIE <sub>Lab</sub>	54.35, 72.79, 24.01
CIE <sub>LCh</sub>	54, 76.646, 18.255
Yxy	22.3046, 0.5371, 0.2964
Android (android.graphics.Color)	4294193757 (0xFFFF4325D)
YUV	112.9080, -9.8146, 114.9677
Hunter-Lab	47.2277, 70.1386, 17.3286

# Details

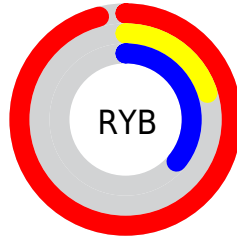
The XYZ color **40.4246, 22.3046, 12.5305** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **44.2112, 69.5973, 66.3715**, and the grayscale version is **15.6779, 16.4944, 17.9624**.

A 20% lighter version of the original color is **52.3287, 35.5046, 30.0817**, and **19.3559, 9.9167, 3.6903** is the 20% darker color. If you saturate the color by 10%, you get **38.9053, 20.4494, 8.3764**, and if you desaturate by 10%, it is **42.7090, 25.3561, 17.9706**.

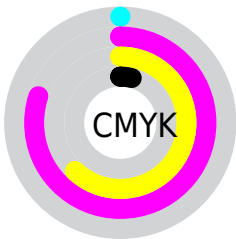
# Distribution



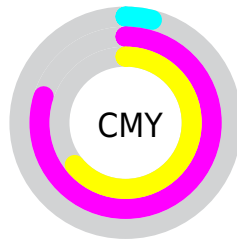
- Red (96%)
- Green (20%)
- Blue (36%)



- Red (96%)
- Yellow (20%)
- Blue (36%)



- Cyan (0%)
- Magenta (80%)
- Yellow (62%)
- Black (4%)




- Cyan (4%)
- Magenta (80%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4246, 22.3046, 12.5305 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 40.4246, 22.3046, 12.5305 by changing the saturation by 10% instead.





 40.4246, 22.3046,  
12.5305


 40.4246, 22.3046,  
12.5305


339.0138,  
264.1329, 218.9875


 28.0554, 14.0809,  
6.9791


 75.0899, 47.2489,  
31.1364

 18.5081, 8.1769,  
3.3708


 98.1167, 64.7383,  
45.0280


 11.4173, 4.2084,  
1.2870


 125.4268, 86.0851,  
62.5369

 6.4176, 1.7908,  
0.0511

 157.3855,  
111.6736, 84.0814

 3.1437, 0.4814,  
0.0000

 194.3582,  
141.8882, 110.0802

 1.2302, 0.0000,  
0.0000

236.7103,

 0.1300, 0.0000,

177.1134, 140.9518

0.0000

284.8070,  
217.7334, 177.1147

■ 0.0000, 0.0000,  
0.0000

■ 40.4246, 22.3046,  
12.5305

■ 40.4246, 22.3046,  
12.5305

■ 38.9053, 20.4494,  
8.3764

■ 42.7090, 25.3561,  
17.9706

■ 38.0111, 19.5354,  
5.3835


■ 45.8483, 29.7603,  
24.7959


■ 37.9754, 19.5000,  
5.2606


■ 49.9213, 35.6540,  
33.0966


■ 54.9968, 43.1562,  
42.9544

■ 61.1372, 52.3737,  
54.4450

 68.3996, 63.4039,  
67.6390

 76.8370, 76.3373,  
82.6027

 86.4991, 91.2580,  
99.3990

 91.1180, 97.9730,  
108.7160

# Harmonies

## Analogous

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



41.1555, 22.3046, 34.9150



40.4246, 22.3046, 12.5305



33.8059, 22.3046, 3.5854

# Triad

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



40.4246, 22.3046, 12.5305



11.3253, 22.3046, 4.7203



18.0930, 22.3046, 103.0012

# Complementary

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



40.4246, 22.3046, 12.5305



44.2112, 69.5973, 66.3715

# 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.



12.1966, 22.3046, 77.3783



40.4246, 22.3046, 12.5305



9.0343, 22.3046, 16.0679

# Square

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



40.4246, 22.3046, 12.5305



16.5524, 22.3046, 1.5530



9.3046, 22.3046, 41.7507



26.6448, 22.3046, 99.4963



# Rectangle

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



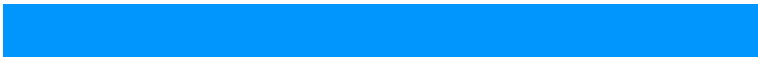
40.4246, 22.3046, 12.5305



27.7307, 22.3046, 1.7114



9.3046, 22.3046, 41.7507



15.7844, 22.3046, 97.0609

# Sweetspot

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



40.4251, 22.3059, 12.5308



71.7940, 64.2773, 67.8860



40.9538, 20.9204, 87.4670



14.7663, 12.8472, 13.4353



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.



40.4251, 22.3059, 12.5308



42.3768, 21.9399, 7.2221



42.6105, 28.9162, 6.3551



16.6495, 16.5426, 17.9006



20.6907, 10.6197, 3.0799



1.8556, 0.9482, 0.4659



# Inverse Universe

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



40.4251, 22.3059, 12.5308



42.3768, 21.9399, 7.2221



36.5544, 45.0284, 92.3522



16.6495, 16.5426, 17.9006



20.6907, 10.6197, 3.0799



1.8556, 0.9482, 0.4659



# Previews

## White Background



This preview shows how the XYZ color 40.4246, 22.3046, 12.5305 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 40.4246, 22.3046, 12.5305 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 40.4246, 22.3046, 12.5305**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.4246, 22.3046, 12.5305.



This preview shows how white text looks on a background with the XYZ color 40.4246, 22.3046,



# 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

40.4246, 22.3046, 12.5305

### Protanopia

21.5518, 22.5103, 23.6311

### Deuteranopia

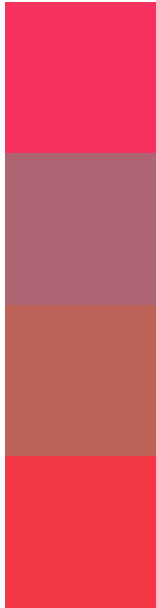
22.7996, 22.4599, 11.3171



## Tritanopia

39.2646, 22.3966, 6.3912

# Trichromacy



## Original Color

40.4246, 22.3046, 12.5305

## Protanomaly

24.9818, 19.4294, 18.6532

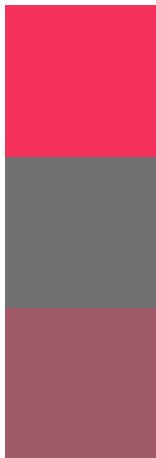
## Deuteranomaly

27.0742, 20.2423, 11.4970

## Tritanomaly

39.4657, 22.2420, 8.1743

# Monochromacy



## Original Color

40.4246, 22.3046, 12.5305

## Achromatopsia

15.6958, 16.5132, 17.9829

## Achromatomaly

20.9556, 15.9300, 15.6060

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.4246, 22.3046, 12.5305 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(244, 50, 93)` looks like.

```
.text, #text, p{  
    color:rgb(244, 50, 93)  
}
```

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(244, 50, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 50, 93) }
```

## Border

The CSS property to change the border of an element to XYZ 40.4246, 22.3046, 12.5305 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(244, 50, 93) }
```



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

```
.border{ border-color:rgb(244, 50, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 50, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 50, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 50, 93);  
box-shadow:4px 4px 4px 4px rgb(244, 50,  
93) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.4246, 22.3046, 12.5305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 50, 93) }
```

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

```
.background{ background-color: rgb(244, 50,  
93) }
```

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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