

# Converting Colors

XYZ(40.6597, 22.0510, 13.2072)

Have a look what the booklet for  
XYZ(40.6597, 22.0510, 13.2072)  
contains.

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# Color

**XYZ(40.6682, 22.0584,  
13.1806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F52C60
RGB	245, 44, 96
RGB Percent	96%, 17%, 38%
CMY	0.0392, 0.8274, 0.6235
CMYK	0.00, 0.82, 0.61, 0.04
HSL	344°, 91%, 57%
HSV	344°, 82%, 96%
XYZ	40.6682, 22.0584, 13.1806
YIQ	110.0270, 103.1040, 58.7840

# Conversions

## Conversions Part 2

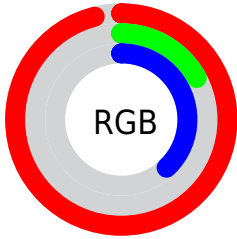
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 44, 96
Decimal	16067680
CIE <sub>Lab</sub>	54.09, 74.66, 21.91
CIE <sub>LCh</sub>	54, 77.809, 16.352
Yxy	22.0584, 0.5358, 0.2906
Android (android.graphics.Color)	4294257760 (0xFFFF52C60)
YUV	110.0270, -6.9153, 118.3713
Hunter-Lab	46.9664, 72.3721, 16.2374

# Details

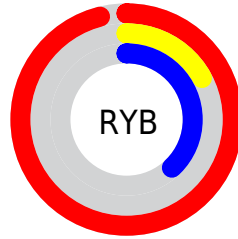
The XYZ color **40.6682, 22.0584, 13.1806** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **43.3195, 69.6914, 61.6315**, and the grayscale version is **14.8298, 15.6021, 16.9907**.

A 20% lighter version of the original color is **52.2225, 34.9237, 31.1826**, and **19.6318, 10.0540, 3.9235** is the 20% darker color. If you saturate the color by 10%, you get **39.2671, 20.4436, 9.0536**, and if you desaturate by 10%, it is **42.8013, 24.8284, 18.5050**.

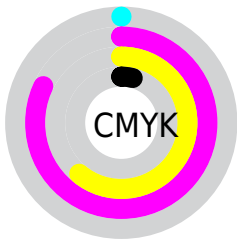
# Distribution



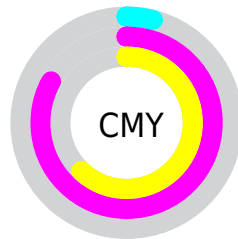
- Red (96%)
- Green (17%)
- Blue (38%)



- Red (96%)
- Yellow (17%)
- Blue (38%)



- Cyan (0%)
- Magenta (82%)
- Yellow (61%)
- Black (4%)




- Cyan (4%)
- Magenta (83%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6682, 22.0584, 13.1806 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 40.6682, 22.0584, 13.1806 by changing the saturation by 10% instead.





 40.6682, 22.0584,  
13.1806


 40.6682, 22.0584,  
13.1806


340.0183,  
262.8511, 223.3202

 28.2464, 13.8998,  
7.4208

 75.4578, 46.8425,  
32.3238

 18.6529, 8.0510,  
3.6442


 98.5564, 64.2368,  
46.5443


 11.5223, 4.1276,  
1.4323


 125.9447, 85.4785,  
64.4221

 6.4891, 1.7452,  
0.1667

 157.9880,  
110.9519, 86.3759

 3.1882, 0.4527,  
0.0000

 195.0516,  
141.0415, 112.8240

 1.2540, 0.0000,  
0.0000

237.5010,

 0.1484, 0.0000,

176.1316, 144.1850

0.0000

285.7014,  
216.6067, 180.8776

■ 0.0000, 0.0000,  
0.0000

■ 40.6682, 22.0584,  
13.1806

■ 40.6682, 22.0584,  
13.1806

■ 39.2671, 20.4436,  
9.0536

■ 42.8013, 24.8284,  
18.5050


■ 38.5634, 19.7754,  
6.5410


■ 45.7593, 28.9194,  
25.1176


■ 49.6226, 34.4742,  
33.1005


■ 54.4608, 41.6157,  
42.5282

■ 60.3369, 50.4540,  
53.4697

 67.3081, 61.0892,  
65.9891

 75.4275, 73.6135,  
80.1471

 84.7448, 88.1130,  
96.0008

 91.4660, 98.1524,  
108.7323

# Harmonies

## Analogous

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



40.9768, 22.0584, 36.7119



40.6682, 22.0584, 13.1806



34.2527, 22.0584, 3.6590

# Triad

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



40.6682, 22.0584, 13.1806



11.2927, 22.0584, 4.1187



17.3711, 22.0584, 103.1959

# Complementary

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



40.6682, 22.0584, 13.1806



43.3195, 69.6914, 61.6315

# 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.



11.6545, 22.0584, 75.6593



40.6682, 22.0584, 13.1806



8.8349, 22.0584, 14.6500

# Square

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



40.6682, 22.0584, 13.1806



16.7277, 22.0584, 1.3405



8.9466, 22.0584, 39.5910



25.8655, 22.0584, 101.7051



# Rectangle

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



40.6682, 22.0584, 13.1806



28.1581, 22.0584, 1.6575



8.9466, 22.0584, 39.5910



15.1162, 22.0584, 96.5115

# Sweetspot

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



40.6687, 22.0597, 13.1809



71.2783, 63.1719, 67.9424



38.9705, 19.5243, 88.1003



14.6792, 12.6405, 13.5064



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.



40.6687, 22.0597, 13.1809



42.3925, 21.8096, 7.7257



41.8448, 27.0620, 5.4028



16.6750, 16.5529, 18.0353



20.8227, 10.6725, 3.7746



1.8704, 0.9541, 0.5439



# Inverse Universe

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



40.6687, 22.0597, 13.1809



42.3925, 21.8096, 7.7257



37.7388, 47.5642, 93.5775



16.6750, 16.5529, 18.0353



20.8227, 10.6725, 3.7746



1.8704, 0.9541, 0.5439



# Previews

## White Background



This preview shows how the XYZ color 40.6682, 22.0584, 13.1806 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

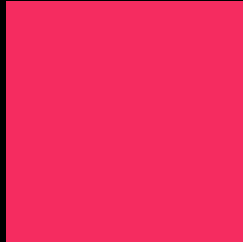
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.6682, 22.0584, 13.1806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

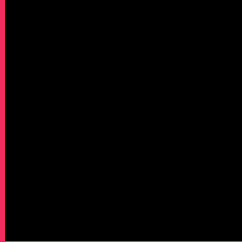
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.6682, 22.0584, 13.1806**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.6682, 22.0584, 13.1806.



This preview shows how white text looks on a background with the XYZ color 40.6682, 22.0584,



# 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

40.6682, 22.0584, 13.1806

### Protanopia

21.5134, 22.2470, 25.7145

### Deuteranopia

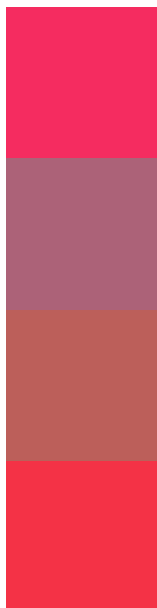
22.5977, 22.1551, 11.8894



## Tritanopia

38.9709, 21.9689, 5.8008

# Trichromacy



## Original Color

40.6682, 22.0584, 13.1806

## Protanomaly

24.7711, 18.8621, 20.1045

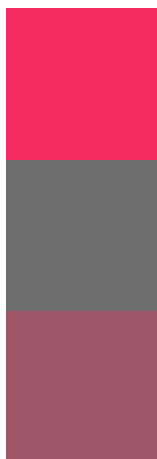
## Deuteranomaly

26.6767, 19.6140, 12.0527

## Tritanomaly

39.5543, 21.9565, 7.9476

# Monochromacy



## Original Color

40.6682, 22.0584, 13.1806

## Achromatopsia

14.8208, 15.5926, 16.9804

## Achromatomaly

20.1757, 15.0464, 15.2055

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.6682, 22.0584, 13.1806 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(245, 44, 96)` looks like.

```
.text, #text, p{  
    color:rgb(245, 44, 96)  
}
```

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(245, 44, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 44, 96) }
```

## Border

The CSS property to change the border of an element to XYZ 40.6682, 22.0584, 13.1806 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(245, 44, 96) }
```



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

```
.border{ border-color:rgb(245, 44, 96) }
```

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

Here you see how a box with a 4 pixel rgb(245, 44, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 44, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 44, 96);  
box-shadow:4px 4px 4px 4px rgb(245, 44,  
96) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.6682, 22.0584, 13.1806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 44, 96) }
```

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

```
.background{ background-color: rgb(245, 44,  
96) }
```

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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