

Converting Colors

XYZ(40.2331, 21.6020, 9.9667)

Have a look what the booklet for
XYZ(40.2331, 21.6020, 9.9667)
contains.

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Color

**XYZ(40.2221, 21.5883,
10.0296)**

Conversions

Conversions Part 1

Format	Color
Hex	F62652
RGB	246, 38, 82
RGB Percent	96%, 15%, 32%
CMY	0.0353, 0.8509, 0.6784
CMYK	0.00, 0.85, 0.67, 0.04
HSL	347°, 92%, 56%
HSV	347°, 85%, 96%
XYZ	40.2221, 21.5883, 10.0296
YIQ	105.2080, 109.8440, 57.7800

Conversions

Conversions Part 2

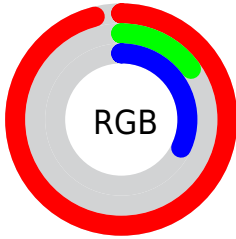
Format	Color
R_{YB}	246, 38, 82
Decimal	16131666
CIE Lab	53.59, 75.44, 29.65
CIE LCh	54, 81.060, 21.459
Yxy	21.5883, 0.5599, 0.3005
Android (android.graphics.Color)	4294321746 (0xFFFF62652)
YUV	105.2080, -11.4415, 123.4746
Hunter-Lab	46.4632, 73.2126, 19.7258

Details

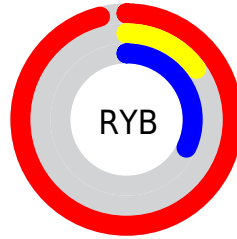
The XYZ color **40.2221, 21.5883, 10.0296** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **44.4191, 70.5889, 67.1752**, and the grayscale version is **13.4959, 14.1987, 15.4624**.

A 20% lighter version of the original color is **50.6993, 33.6238, 25.2906**, and **19.4059, 9.9637, 2.7341** is the 20% darker color. If you saturate the color by 10%, you get **39.0412, 20.2459, 6.4946**, and if you desaturate by 10%, it is **42.1310, 24.0536, 14.8368**.

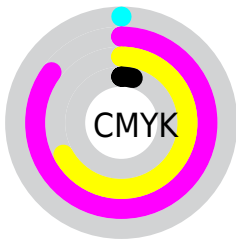
Distribution



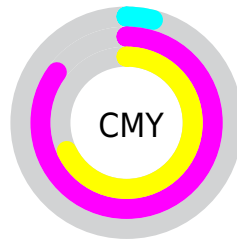
- Red (96%)
- Green (15%)
- Blue (32%)



- Red (96%)
- Yellow (15%)
- Blue (32%)



- Cyan (0%)
- Magenta (85%)
- Yellow (67%)
- Black (4%)





- Cyan (4%)
- Magenta (85%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2221, 21.5883, 10.0296 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 40.2221, 21.5883, 10.0296 by changing the saturation by 10% instead.


 40.2221, 21.5883,
10.0296


 40.2221, 21.5883,
10.0296


338.1772,
260.3887, 201.3757


 27.8967, 13.5547,
5.3127


 74.7838, 46.0646,
26.4598

 18.3879, 7.8116,
2.3700


 97.7508, 63.2761,
39.0103

 11.3302, 3.9746,
0.7700


 124.9958, 84.3157,
55.0090

 6.3583, 1.6594,
0.0000

 156.8841,
109.5677, 74.8746

 3.1069, 0.3972,
0.0000

 193.7810,
139.4167, 99.0255

 1.2105, 0.0000,
0.0000

236.0519,

 0.1147, 0.0000,

174.2469, 127.8803

0.0000

284.0622,
214.4427, 161.8575

■ 0.0000, 0.0000,
0.0000

■ 40.2221, 21.5883,
10.0296

■ 40.2221, 21.5883,
10.0296

■ 39.0412, 20.2459,
6.4946

■ 42.1310, 24.0536,
14.8368


■ 38.6259, 19.8408,
5.0446


■ 44.8708, 27.8208,
21.0289


■ 48.5285, 33.0413,
28.7063


■ 53.1793, 39.8444,
37.9593

■ 58.8905, 48.3449,
48.8709

 65.7235, 58.6472,
61.5181

 73.7346, 70.8470,
75.9729

 82.9768, 85.0334,
92.3033

 91.8157, 98.3327,
108.7486

Harmonies

Analogous

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



41.7584, 21.5883, 31.3159



40.2221, 21.5883, 10.0296



32.7277, 21.5883, 2.4648

Triad

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



40.2221, 21.5883, 10.0296



10.0639, 21.5883, 4.5635



18.1461, 21.5883, 109.1102

Complementary

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



40.2221, 21.5883, 10.0296



44.4191, 70.5889, 67.1752

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.



11.8011, 21.5883, 83.9315



40.2221, 21.5883, 10.0296



8.0728, 21.5883, 17.1162

Square

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



40.2221, 21.5883, 10.0296



15.0151, 21.5883, 1.2024



8.6041, 21.5883, 45.5981



27.2264, 21.5883, 101.5714

Rectangle

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



40.2221, 21.5883, 10.0296



26.2766, 21.5883, 1.0917



8.6041, 21.5883, 45.5981



15.6706, 21.5883, 103.7882

Sweetspot

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



40.2226, 21.5896, 10.0299



70.9122, 63.0255, 66.0145



41.3990, 20.4504, 88.9534



14.5937, 12.6063, 13.0561



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.



40.2226, 21.5896, 10.0299



41.9040, 21.5256, 5.4264



42.6261, 28.2730, 5.0463



16.6425, 16.5398, 17.8639



20.6584, 10.6068, 2.9095



1.8518, 0.9467, 0.4460

Inverse Universe

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



40.2226, 21.5896, 10.0299



41.9040, 21.5256, 5.4264



35.2204, 42.6378, 93.5617



16.6425, 16.5398, 17.8639



20.6584, 10.6068, 2.9095



1.8518, 0.9467, 0.4460

Previews

White Background



This preview shows how the XYZ color 40.2221, 21.5883, 10.0296 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 40.2221, 21.5883, 10.0296 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 40.2221, 21.5883, 10.0296

Background



This preview shows how black text looks on a background with the XYZ color 40.2221, 21.5883, 10.0296.



This preview shows how white text looks on a background with the XYZ color 40.2221, 21.5883,

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

40.2221, 21.5883, 10.0296

Protanopia

20.7031, 21.7676, 19.6334

Deuteranopia

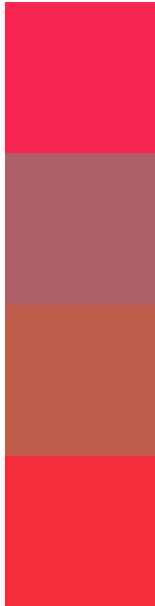
22.1249, 21.7889, 9.0008



Tritanopia

39.1658, 21.6428, 4.6980

Trichromacy



Original Color

40.2221, 21.5883, 10.0296

Protanomaly

24.2701, 18.2979, 15.3494

Deuteranomaly

26.0834, 18.9811, 8.9456

Tritanomaly

39.3463, 21.5296, 6.2195

Monochromacy



Original Color

40.2221, 21.5883, 10.0296

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

18.8104, 13.8158, 12.9846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2221, 21.5883, 10.0296 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(246, 38, 82)` looks like.

```
.text, #text, p{  
    color:rgb(246, 38, 82)  
}
```

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(246, 38, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 38, 82) }
```

Border

The CSS property to change the border of an element to XYZ 40.2221, 21.5883, 10.0296 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(246, 38, 82) }
```


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

```
.border{ border-color:rgb(246, 38, 82) }
```

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

Here you see how a box with a 4 pixel rgb(246, 38, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 38, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 38, 82);  
box-shadow:4px 4px 4px 4px rgb(246, 38,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2221, 21.5883, 10.0296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 38, 82) }
```

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

```
.background{ background-color: rgb(246, 38,  
82) }
```

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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