

Converting Colors

XYZ(40.0425, 21.8684, 9.7000)

Have a look what the booklet for
XYZ(40.0425, 21.8684, 9.7000)
contains.

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Color

**XYZ(40.0425, 21.8684,
9.7000)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F52D50 |
| RGB | 245, 45, 80 |
| RGB Percent | 96%, 18%, 31% |
| CMY | 0.0392, 0.8235, 0.6863 |
| CMYK | 0.00, 0.82, 0.67, 0.04 |
| HSL | 350°, 91%, 57% |
| HSV | 350°, 82%, 96% |
| XYZ | 40.0425, 21.8684, 9.7000 |
| YIQ | 108.7900, 107.9650, 53.2850 |

Conversions

Conversions Part 2

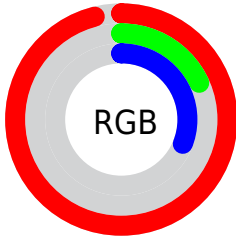
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 245, 45, 80 |
| Decimal | 16067920 |
| CIE Lab | 53.89, 73.59, 31.17 |
| CIE LCh | 54, 79.919, 22.957 |
| Yxy | 21.8684, 0.5592, 0.3054 |
| Android (android.graphics.Color) | 4294258000 (0xFFFF52D50) |
| YUV | 108.7900, -14.1935, 119.4562 |
| Hunter-Lab | 46.7637, 71.0085, 20.4363 |

Details

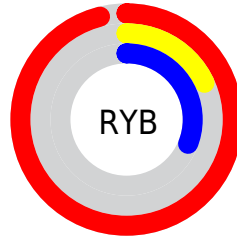
The XYZ color **40.0425, 21.8684, 9.7000** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **45.3702, 70.5167, 72.2039**, and the grayscale version is **14.4962, 15.2511, 16.6085**.

A 20% lighter version of the original color is **50.9966, 34.4333, 24.7274**, and **19.1408, 9.8307, 2.5577** is the 20% darker color. If you saturate the color by 10%, you get **38.7253, 20.2551, 6.1140**, and if you desaturate by 10%, it is **42.1267, 24.6569, 14.6501**.

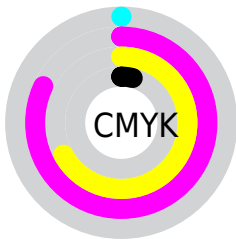
Distribution



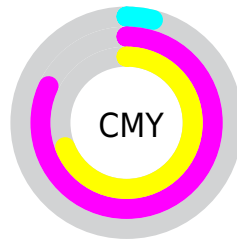
- Red (96%)
- Green (18%)
- Blue (31%)



- Red (96%)
- Yellow (18%)
- Blue (31%)



- Cyan (0%)
- Magenta (82%)
- Yellow (67%)
- Black (4%)





- Cyan (4%)
- Magenta (82%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0425, 21.8684, 9.7000 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 40.0425, 21.8684, 9.7000 by changing the saturation by 10% instead.


 40.0425, 21.8684,
9.7000

 40.0425, 21.8684,
9.7000


337.4340,
261.8583, 198.9237


 27.7560, 13.7602,
5.0975


 74.5122, 46.5284,
25.8286

 18.2814, 7.9541,
2.2448


 97.4261, 63.8490,
38.1918

 11.2531, 4.0656,
0.7001


 124.6132, 85.0092,
53.9790

 6.3059, 1.7103,
0.0000

 156.4388,
110.3935, 73.6087

 3.0744, 0.4303,
0.0000

 193.2684,
140.3861, 97.4995

 1.1932, 0.0000,
0.0000

235.4672,

 0.1010, 0.0000,

175.3715, 126.0699

0.0000

283.4006,
215.7341, 159.7385

■ 0.0000, 0.0000,
0.0000

■ 40.0425, 21.8684,
9.7000

■ 40.0425, 21.8684,
9.7000

■ 38.7253, 20.2551,
6.1140

■ 42.1267, 24.6569,
14.6501


■ 38.0893, 19.5857,
4.0446


■ 45.0765, 28.7875,
21.0869


■ 48.9768, 34.4041,
29.1197


■ 53.9016, 41.6310,
38.8470

■ 59.9176, 50.5792,
50.3594

 67.0859, 61.3501,
63.7409

 75.4627, 74.0372,
79.0699

 85.1007, 88.7273,
96.4205

 91.4659, 98.1523,
108.7323

Harmonies

Analogous

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



41.9059, 21.8684, 30.1058



40.0425, 21.8684, 9.7000



32.4288, 21.8684, 2.4816

Triad

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



40.0425, 21.8684, 9.7000



10.1796, 21.8684, 5.1545



18.8220, 21.8684, 108.5746

Complementary

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



40.0425, 21.8684, 9.7000



45.3702, 70.5167, 72.2039

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.



12.3273, 21.8684, 85.1802



40.0425, 21.8684, 9.7000



8.3105, 21.8684, 18.4611

Square

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



40.0425, 21.8684, 9.7000



14.9775, 21.8684, 1.4046



8.9706, 21.8684, 47.4828



27.9284, 21.8684, 99.5046

Rectangle

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



40.0425, 21.8684, 9.7000



26.0208, 21.8684, 1.1662



8.9706, 21.8684, 47.4828



16.3038, 21.8684, 103.9049

Sweetspot

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



40.0430, 21.8697, 9.7003



71.4471, 64.1385, 66.0595



43.5274, 21.9294, 88.3242



14.6850, 12.8147, 13.0070



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.



40.0430, 21.8697, 9.7003



41.8458, 21.5909, 4.8472



43.5290, 30.4002, 6.0581



16.6174, 16.5298, 17.7320



20.5546, 10.5653, 2.3629



1.8392, 0.9416, 0.3794

Inverse Universe

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



40.0430, 21.8697, 9.7003



41.8458, 21.5909, 4.8472



34.2252, 40.4726, 92.3937



16.6174, 16.5298, 17.7320



20.5546, 10.5653, 2.3629



1.8392, 0.9416, 0.3794

Previews

White Background



This preview shows how the XYZ color 40.0425, 21.8684, 9.7000 looks on a white background.

Color Contrast Check

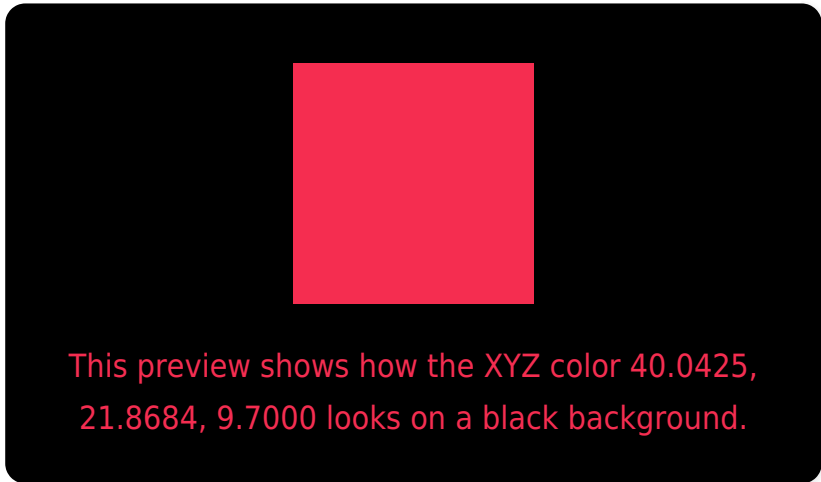
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 40.0425, 21.8684, 9.7000

Background



This preview shows how black text looks on a background with the XYZ color 40.0425, 21.8684, 9.7000.

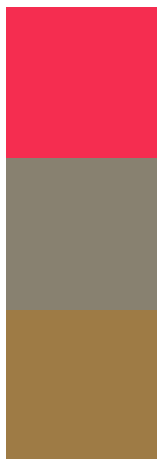


This preview shows how white text looks on a background with the XYZ color 40.0425, 21.8684,

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

40.0425, 21.8684, 9.7000

Protanopia

20.9282, 22.1046, 18.4928

Deuteranopia

22.2577, 21.8647, 8.6774



Tritanopia

39.1119, 21.8487, 5.4046

Trichromacy



Original Color

40.0425, 21.8684, 9.7000

Protanomaly

24.5724, 18.8856, 14.4068

Deuteranomaly

26.5300, 19.6126, 8.6907

Tritanomaly

39.2760, 21.7775, 6.6908

Monochromacy



Original Color

40.0425, 21.8684, 9.7000

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

19.6329, 14.8065, 13.3784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0425, 21.8684, 9.7000 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, 45, 80)` looks like.

```
.text, #text, p{  
    color:rgb(245, 45, 80)  
}
```

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, 45, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 45, 80) }
```

Border

The CSS property to change the border of an element to XYZ 40.0425, 21.8684, 9.7000 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, 45, 80) }
```


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

```
.border{ border-color:rgb(245, 45, 80) }
```

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

Here you see how a box with a 4 pixel rgb(245, 45, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 45, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 45, 80);  
box-shadow:4px 4px 4px 4px rgb(245, 45,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0425, 21.8684, 9.7000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 45, 80) }
```

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

```
.background{ background-color: rgb(245, 45,  
80) }
```

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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