

Converting Colors

XYZ(40.7727, 21.3541, 7.4335)

Have a look what the booklet for
XYZ(40.7727, 21.3541, 7.4335)
contains.

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Color

**XYZ(40.7741, 21.3541,
7.4416)**

Conversions

Conversions Part 1

Format	Color
Hex	FA1744
RGB	250, 23, 68
RGB Percent	98%, 9%, 27%
CMY	0.0196, 0.9097, 0.7333
CMYK	0.00, 0.91, 0.73, 0.02
HSL	348°, 96%, 54%
HSV	348°, 91%, 98%
XYZ	40.7741, 21.3541, 7.4416
YIQ	96.0030, 120.8470, 62.1190

Conversions

Conversions Part 2

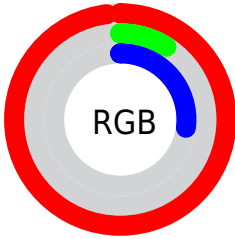
Format	Color
R _Y B	250, 23, 68
Decimal	16389956
CIE Lab	53.33, 78.24, 37.77
CIE LCh	53, 86.879, 25.770
Yxy	21.3541, 0.5861, 0.3069
Android (android.graphics.Color)	4294580036 (0xFFFA1744)
YUV	96.0030, -13.8055, 135.0554
Hunter-Lab	46.2105, 76.6321, 22.7995

Details

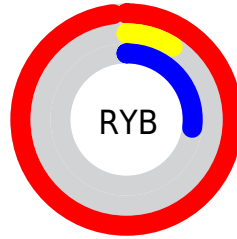
The XYZ color **40.7741, 21.3541, 7.4416** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **45.5632, 72.9628, 69.4614**, and the grayscale version is **11.1353, 11.7152, 12.7579**.

A 20% lighter version of the original color is **49.1438, 32.0237, 20.1140**, and **19.9426, 10.2605, 1.8491** is the 20% darker color. If you saturate the color by 10%, you get **39.9897, 20.5501, 4.8234**, and if you desaturate by 10%, it is **42.2459, 23.1461, 11.4839**.

Distribution



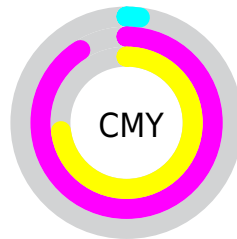
- Red (98%)
- Green (9%)
- Blue (27%)



- Red (98%)
- Yellow (9%)
- Blue (27%)



- Cyan (0%)
- Magenta (91%)
- Yellow (73%)
- Black (2%)





- Cyan (2%)
- Magenta (91%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7741, 21.3541, 7.4416 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 40.7741, 21.3541, 7.4416 by changing the saturation by 10% instead.


 40.7741, 21.3541,
7.4416


 40.7741, 21.3541,
7.4416


340.4543,
259.1544, 181.0520


 28.3295, 13.3831,
3.6572


 75.6177, 45.6761,
21.3840

 18.7159, 7.6929,
1.4392


 98.7475, 62.7959,
32.3791


 11.5680, 3.8991,
0.1720

 126.1696, 83.7341,
46.6149

 6.5203, 1.6173,
0.0000

 158.2496,
108.8750, 64.5098

 3.2076, 0.3692,
0.0000

 195.3527,
138.6031, 86.4824

 1.2645, 0.0000,
0.0000

237.8443,

 0.1564, 0.0000,

173.3028, 112.9513

0.0000

286.0897,
213.3584, 144.3350

■ 0.0000, 0.0000,
0.0000

■ 40.7741, 21.3541,
7.4416

■ 40.7741, 21.3541,
7.4416

■ 39.9897, 20.5501,
4.8234

■ 42.2459, 23.1461,
11.4839

■ 44.5208, 26.1784,
16.9203

■ 47.7007, 30.6282,
23.8688

■ 51.8717, 36.6428,
32.4343

■ 57.1095, 44.3508,
42.7118

■ 63.4821, 53.8677,
54.7888

■ 71.0521, 65.2986,
68.7468

■ 79.8773, 78.7406,
84.6622

■ 90.0116, 94.2841,
102.6072

Harmonies

Analogous

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



43.5614, 21.3541, 27.1940



40.7741, 21.3541, 7.4416



31.9704, 21.3541, 1.4783

Triad

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



40.7741, 21.3541, 7.4416



8.8973, 21.3541, 4.8041



19.0187, 21.3541, 119.3015

Complementary

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



40.7741, 21.3541, 7.4416



45.5632, 72.9628, 69.4614

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.



11.8789, 21.3541, 95.3932



40.7741, 21.3541, 7.4416



7.2670, 21.3541, 19.7088

Square

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



40.7741, 21.3541, 7.4416



13.5324, 21.3541, 0.9591



8.1650, 21.3541, 52.9882



29.0057, 21.3541, 105.3000

Rectangle

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



40.7741, 21.3541, 7.4416



24.9658, 21.3541, 0.5413



8.1650, 21.3541, 52.9882



16.2489, 21.3541, 115.1346

Sweetspot

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



40.7746, 21.3554, 7.4419



69.2313, 60.6014, 62.5634



42.6308, 20.4396, 92.1402



14.2667, 12.1407, 12.3663



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.



40.7746, 21.3554, 7.4419



41.8270, 21.4948, 5.0210



43.3309, 27.8894, 3.9119



17.3852, 17.2814, 18.6180



21.2519, 10.9165, 2.7690



2.0039, 1.0253, 0.4441

Inverse Universe

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



40.7746, 21.3554, 7.4419



41.8270, 21.4948, 5.0210



34.3190, 40.5038, 96.4510



17.3852, 17.2814, 18.6180



21.2519, 10.9165, 2.7690



2.0039, 1.0253, 0.4441

Previews

White Background



This preview shows how the XYZ color 40.7741, 21.3541, 7.4416 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 40.7741, 21.3541, 7.4416

Background



This preview shows how black text looks on a background with the XYZ color 40.7741, 21.3541, 7.4416.



This preview shows how white text looks on a background with the XYZ color 40.7741, 21.3541,

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

40.7741, 21.3541, 7.4416

Protanopia

20.1728, 21.5927, 15.1612

Deuteranopia

21.9472, 21.5658, 6.6203



Tritanopia

39.8733, 21.3775, 3.2530

Trichromacy



Original Color

40.7741, 21.3541, 7.4416

Protanomaly

23.5491, 17.3640, 11.3429

Deuteranomaly

25.8816, 18.1883, 6.4215

Tritanomaly

39.9858, 21.2501, 4.3771

Monochromacy



Original Color

40.7741, 21.3541, 7.4416

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

16.7567, 11.6035, 10.1606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7741, 21.3541, 7.4416 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, 23, 68)` looks like.

```
.text, #text, p{  
  color:rgb(250, 23, 68)  
}
```

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, 23, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 23, 68) }
```

Border

The CSS property to change the border of an element to XYZ 40.7741, 21.3541, 7.4416 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, 23, 68) }
```


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

```
.border{ border-color:rgb(250, 23, 68) }
```

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

Here you see how a box with a 4 pixel rgb(250, 23, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 23, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 23, 68);  
box-shadow:4px 4px 4px 4px rgb(250, 23,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7741, 21.3541, 7.4416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 23, 68) }
```

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

```
.background{ background-color: rgb(250, 23,  
68) }
```

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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