

Converting Colors

XYZ(41.8127, 23.7706, 6.4912)

Have a look what the booklet for
XYZ(41.8127, 23.7706, 6.4912)
contains.

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Color

**XYZ(41.7777, 23.7677,
6.5234)**

Conversions

Conversions Part 1

Format	Color
Hex	FA3B3B
RGB	250, 59, 59
RGB Percent	98%, 23%, 23%
CMY	0.0196, 0.7686, 0.7686
CMYK	0.00, 0.76, 0.76, 0.02
HSL	0°, 95%, 61%
HSV	0°, 76%, 98%
XYZ	41.7777, 23.7677, 6.5234
YIQ	116.1090, 113.8360, 40.4920

Conversions

Conversions Part 2

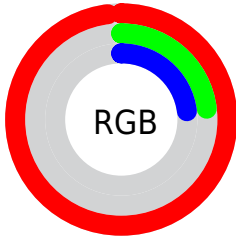
Format	Color
R _Y B	250, 59, 59
Decimal	16399163
CIE Lab	55.85, 70.45, 45.63
CIE LCh	56, 83.933, 32.931
Yxy	23.7677, 0.5797, 0.3298
Android (android.graphics.Color)	4294589243 (0xFFFA3B3B)
YUV	116.1090, -28.1547, 117.4224
Hunter-Lab	48.7521, 67.6478, 26.1930

Details

The XYZ color **41.7777, 23.7677, 6.5234** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **53.2396, 76.1934, 102.3425**, and the grayscale version is **16.6951, 17.5645, 19.1278**.

A 20% lighter version of the original color is **50.7312, 35.9963, 18.1841**, and **20.0938, 10.3488, 1.3904** is the 20% darker color. If you saturate the color by 10%, you get **40.2853, 21.5844, 3.5564**, and if you desaturate by 10%, it is **44.1957, 27.3067, 11.3290**.

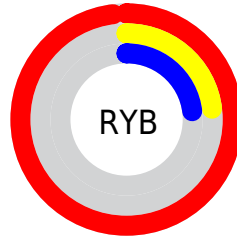
Distribution



Red (98%)

Green (23%)

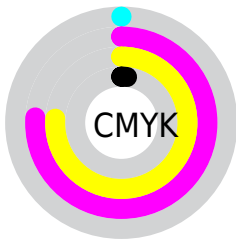
Blue (23%)



Red (98%)

Yellow (23%)

Blue (23%)

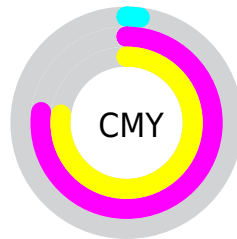


Cyan (0%)

Magenta (76%)

Yellow (76%)

Black (2%)



Cyan (2%)

Magenta (77%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7777, 23.7677, 6.5234 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 41.7777, 23.7677, 6.5234 by changing the saturation by 10% instead.


 41.7777, 23.7677,
6.5234


 41.7777, 23.7677,
6.5234


344.5679,
271.6439, 173.1204

 29.1176, 15.1614,
3.0920


 77.1303, 49.6509,
19.5041


 19.3145, 8.9327,
1.1418


 100.5536, 67.6965,
29.8904


 12.0031, 4.6973,
0.0000


 128.2953, 89.6574,
43.4321

 6.8180, 2.0708,
0.0000

 160.7208,
115.9178, 60.5478

 3.3939, 0.6481,
0.0000

 198.1955,
146.8623, 81.6559

 1.3653, 0.0000,
0.0000

 241.0847,

 0.2313, 0.0000,

182.8753, 107.1750

0.0000

289.7537,
224.3410, 137.5237

■ 0.0000, 0.0000,
0.0000

■ 41.7777, 23.7677,
6.5234

■ 41.7777, 23.7677,
6.5234

■ 40.2853, 21.5844,
3.5564

■ 44.1957, 27.3067,
11.3290

■ 39.5712, 20.5394,
2.1373


■ 47.6543, 32.3677,
18.2042


■ 39.4242, 20.3242,
1.8451


■ 52.2536, 39.0979,
27.3471

■ 58.0815, 47.6259,
38.9327

■ 65.2174, 58.0678,
53.1186

 73.7340, 70.5300,
70.0493

 83.6986, 85.1109,
89.8588

 93.2340, 99.0638,
108.8150

Harmonies

Analogous

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



46.3444, 23.7677, 23.2819



41.7777, 23.7677, 6.5234



32.0213, 23.7677, 1.6158

Triad

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



41.7777, 23.7677, 6.5234



9.8654, 23.7677, 8.5642



23.5425, 23.7677, 121.9674

Complementary

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



41.7777, 23.7677, 6.5234



53.2396, 76.1934, 102.3425

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.



15.2210, 23.7677, 106.6538



41.7777, 23.7677, 6.5234



8.7648, 23.7677, 28.6624

Square

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



41.7777, 23.7677, 6.5234



14.0050, 23.7677, 2.0771



10.4158, 23.7677, 66.2970



34.1178, 23.7677, 99.8894

Rectangle

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



41.7777, 23.7677, 6.5234



24.9270, 23.7677, 0.9093



10.4158, 23.7677, 66.2970



20.4047, 23.7677, 121.0391

Sweetspot

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



41.7782, 23.7691, 6.5237



71.0637, 64.9015, 61.2154



58.2432, 30.3539, 93.2309



14.5602, 12.9399, 11.8097



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.



41.7782, 23.7691, 6.5237



41.6275, 21.8271, 2.6997



51.8518, 43.9162, 9.8816



17.2448, 17.2254, 17.8783



20.9121, 10.7808, 0.9787



1.9369, 0.9986, 0.0907

Inverse Universe

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



53.2396, 76.1934, 102.3425



54.1009, 78.8814, 106.9820



30.6972, 31.1085, 94.8284



17.7658, 19.6084, 22.2337



27.2828, 39.9211, 54.2411



2.5269, 3.6975, 5.0237

Previews

White Background



This preview shows how the XYZ color 41.7777, 23.7677, 6.5234 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 41.7777, 23.7677, 6.5234 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 41.7777, 23.7677, 6.5234

Background



This preview shows how black text looks on a background with the XYZ color 41.7777, 23.7677, 6.5234.



This preview shows how white text looks on a background with the XYZ color 41.7777, 23.7677,

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

41.7777, 23.7677, 6.5234

Protanopia

22.0807, 23.8624, 11.4248

Deuteranopia

24.2115, 23.6930, 5.7798



Tritanopia

41.8039, 23.7782, 6.6613

Trichromacy



Original Color

41.7777, 23.7677, 6.5234

Protanomaly

26.2609, 21.2001, 9.1865

Deuteranomaly

28.6158, 21.7388, 5.7054

Tritanomaly

41.8039, 23.7782, 6.6613

Monochromacy



Original Color

41.7777, 23.7677, 6.5234

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

21.6748, 17.0100, 12.9673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7777, 23.7677, 6.5234 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, 59, 59)` looks like.

```
.text, #text, p{  
    color:rgb(250, 59, 59)  
}
```

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, 59, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 59, 59) }
```

Border

The CSS property to change the border of an element to XYZ 41.7777, 23.7677, 6.5234 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, 59, 59) }
```


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

```
.border{ border-color:rgb(250, 59, 59) }
```

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

Here you see how a box with a 4 pixel rgb(250, 59, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 59, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 59, 59);  
box-shadow:4px 4px 4px 4px rgb(250, 59,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7777, 23.7677, 6.5234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 59, 59) }
```

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

```
.background{ background-color: rgb(250, 59,  
59) }
```

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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