

# Converting Colors

XYZ(43.1276, 23.4181, 7.5448)

Have a look what the booklet for  
XYZ(43.1276, 23.4181, 7.5448)  
contains.

<b>XYZ(43.1170, 23.3930, 7.5530)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.1170, 23.3930,  
7.5530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF2B43
RGB	255, 43, 67
RGB Percent	100%, 17%, 26%
CMY	0.0000, 0.8313, 0.7373
CMYK	0.00, 0.83, 0.74, 0.00
HSL	353°, 100%, 58%
HSV	353°, 83%, 100%
XYZ	43.1170, 23.3930, 7.5530
YIQ	109.1240, 118.6480, 52.4080

# Conversions

## Conversions Part 2

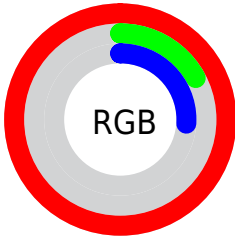
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 43, 67
Decimal	16722755
CIE Lab	55.47, 76.10, 41.06
CIE LCh	55, 86.471, 28.346
Yxy	23.3930, 0.5822, 0.3159
Android (android.graphics.Color)	4294912835 (0xFFFF2B43)
YUV	109.1240, -20.7671, 127.9333
Hunter-Lab	48.3663, 74.4859, 24.5975

# Details

The XYZ color **43.1170, 23.3930, 7.5530** 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 **51.1836, 77.8042, 87.9364**, and the grayscale version is **14.6074, 15.3681, 16.7359**.

A 20% lighter version of the original color is **50.1287, 34.0861, 20.1569**, and **21.1511, 10.8848, 1.8503** is the 20% darker color. If you saturate the color by 10%, you get **41.9103, 21.8619, 4.4319**, and if you desaturate by 10%, it is **45.1677, 26.1891, 12.2618**.

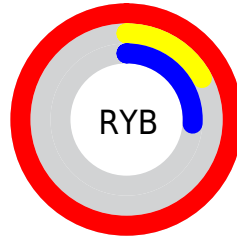
# Distribution



Red (100%)

Green (17%)

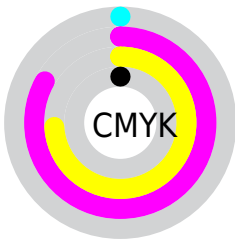
Blue (26%)



Red (100%)

Yellow (17%)

Blue (26%)

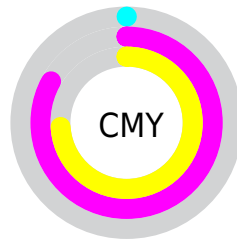


Cyan (0%)

Magenta (83%)

Yellow (74%)

Black (0%)



Cyan (0%)

Magenta (83%)


Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1170, 23.3930, 7.5530 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 43.1170, 23.3930, 7.5530 by changing the saturation by 10% instead.





 43.1170, 23.3930,  
7.5530


 43.1170, 23.3930,  
7.5530

350.0061,  
269.7371, 181.9844


 30.1718, 14.8840,  
3.7266


 79.1420, 49.0378,  
21.6089

 20.1178, 8.7380,  
1.4766


 102.9526, 66.9424,  
32.6755


 12.5894, 4.5707,  
0.2004


 131.1156, 88.7476,  
46.9926

 7.2215, 1.9976,  
0.0000

 163.9966,  
114.8379, 64.9787

 3.6486, 0.6061,  
0.0000

 201.9607,  
145.5976, 87.0524

 1.5053, 0.0000,  
0.0000

245.3734,

 0.3294, 0.0000,

181.4111, 113.6322

0.0000

294.6001,  
222.6628, 145.1367

■ 0.0000, 0.0000,  
0.0000

■ 43.1170, 23.3930,  
7.5530

■ 43.1170, 23.3930,  
7.5530

■ 41.9103, 21.8619,  
4.4319

■ 45.1677, 26.1891,  
12.2618

■ 41.4596, 21.3478,  
3.0878

■ 48.1819, 30.4441,  
18.7337

■ 52.2612, 36.3229,  
27.1217

■ 57.4937, 43.9673,  
37.5619

■ 63.9585, 53.5036,  
50.1777

71.7274, 65.0465,  
65.0830

80.8667, 78.7015,  
82.3836

91.4384, 94.5669,  
102.1787

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



46.6900, 23.3930, 27.0506



43.1170, 23.3930, 7.5530



33.5778, 23.3930, 1.6634

# Triad

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



43.1170, 23.3930, 7.5530



9.8020, 23.3930, 6.4223



21.6982, 23.3930, 125.4484

# Complementary

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



43.1170, 23.3930, 7.5530



51.1836, 77.8042, 87.9364

# 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.



13.7853, 23.3930, 103.8021



43.1170, 23.3930, 7.5530



8.2796, 23.3930, 23.9541

# Square

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



43.1170, 23.3930, 7.5530



14.4773, 23.3930, 1.4247



9.4922, 23.3930, 60.3516



32.3605, 23.3930, 107.8020



# Rectangle

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



43.1170, 23.3930, 7.5530



26.2348, 23.3930, 0.7661



9.4922, 23.3930, 60.3516



18.6627, 23.3930, 122.3393

# Sweetspot

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



43.1175, 23.3944, 7.5533



70.1717, 62.7293, 62.1151



51.6339, 25.8167, 96.8688



14.4217, 12.5375, 12.1503



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.



43.1175, 23.3944, 7.5533



41.4599, 21.3479, 3.0878



48.9189, 35.9200, 6.6425



18.0929, 18.0205, 19.1064



21.6901, 11.1653, 1.7526



2.1376, 1.0974, 0.3062



# Inverse Universe

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



43.1175, 23.3944, 7.5533



41.4599, 21.3479, 3.0878



34.1331, 37.9062, 100.1247



18.0929, 18.0205, 19.1064



21.6901, 11.1653, 1.7526



2.1376, 1.0974, 0.3062



# Previews

## White Background



This preview shows how the XYZ color 43.1170, 23.3930, 7.5530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

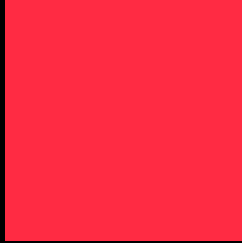
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.1170, 23.3930, 7.5530 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 43.1170, 23.3930, 7.5530**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1170, 23.3930, 7.5530.



This preview shows how white text looks on a background with the XYZ color 43.1170, 23.3930,



# 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

43.1170, 23.3930, 7.5530

### Protanopia

21.8265, 23.4592, 14.4440

### Deuteranopia

23.9811, 23.5521, 6.7721



## Tritanopia

42.3827, 23.3011, 4.8485

# Trichromacy



## Original Color

43.1170, 23.3930, 7.5530

## Protanomaly

25.9640, 19.9606, 11.0786

## Deuteranomaly

28.2610, 20.6873, 6.6412

## Tritanomaly

42.5159, 23.2912, 5.7448

# Monochromacy



## Original Color

43.1170, 23.3930, 7.5530

## Achromatopsia

14.5356, 15.2926, 16.6537

## Achromatomaly

20.1692, 14.9865, 12.4193

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1170, 23.3930, 7.5530 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(255, 43, 67)` looks like.

```
.text, #text, p{  
    color:rgb(255, 43, 67)  
}
```

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(255, 43, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 67) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1170, 23.3930, 7.5530 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(255, 43, 67) }
```



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

```
.border{ border-color:rgb(255, 43, 67) }
```

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

Here you see how a box with a 4 pixel rgb(255, 43, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 67);  
box-shadow:4px 4px 4px 4px rgb(255, 43,  
67) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1170, 23.3930, 7.5530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 43, 67) }
```

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

```
.background{ background-color: rgb(255, 43,  
67) }
```

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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