

# Converting Colors

XYZ(43.1257, 23.9084, 6.0204)

Have a look what the booklet for  
XYZ(43.1257, 23.9084, 6.0204)  
contains.

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# Color

**XYZ(43.1376, 23.9132,  
6.0835)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3338
RGB	255, 51, 56
RGB Percent	100%, 20%, 22%
CMY	0.0000, 0.7999, 0.7804
CMYK	0.00, 0.80, 0.78, 0.00
HSL	359°, 100%, 60%
HSV	359°, 80%, 100%
XYZ	43.1376, 23.9132, 6.0835
YIQ	112.5660, 119.9790, 44.8030

# Conversions

## Conversions Part 2

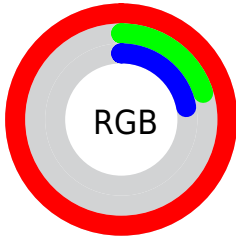
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 51, 56
Decimal	16724792
CIE <sub>Lab</sub>	56.00, 73.90, 47.68
CIE <sub>LCh</sub>	56, 87.945, 32.831
Yxy	23.9132, 0.5898, 0.3270
Android (android.graphics.Color)	4294914872 (0xFFFF3338)
YUV	112.5660, -27.8870, 124.9146
Hunter-Lab	48.9011, 71.8849, 26.8549

# Details

The XYZ color **43.1376, 23.9132, 6.0835** 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 **54.3839, 79.1269, 102.8635**, and the grayscale version is **15.6251, 16.4388, 17.9018**.

A 20% lighter version of the original color is **50.1000, 34.9821, 17.2084**, and **21.0467, 10.8430, 1.3002** is the 20% darker color. If you saturate the color by 10%, you get **41.8474, 22.0771, 3.3606**, and if you desaturate by 10%, it is **45.3406, 27.0928, 10.6003**.

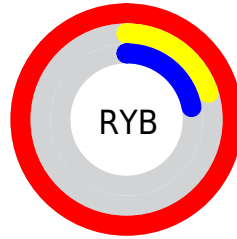
# Distribution



Red (100%)

Green (20%)

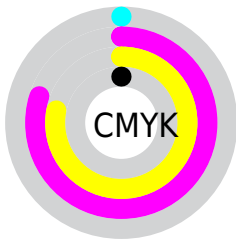
Blue (22%)



Red (100%)

Yellow (20%)

Blue (22%)

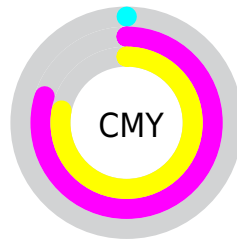


Cyan (0%)

Magenta (80%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (80%)


Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1376, 23.9132, 6.0835 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 43.1376, 23.9132, 6.0835 by changing the saturation by 10% instead.





 43.1376, 23.9132,  
6.0835

 43.1376, 23.9132,  
6.0835


350.0893,  
272.3814, 169.1460


 30.1881, 15.2692,  
2.8263


 79.1729, 49.8885,  
18.5846

 20.1302, 9.0086,  
1.0066


 102.9894, 67.9887,  
28.6656


 12.5985, 4.7468,  
0.0000

 131.1589, 90.0097,  
41.8583

 7.2278, 2.0995,  
0.0000

 164.0467,  
116.3359, 58.5812

 3.6525, 0.6643,  
0.0000

 202.0184,  
147.3518, 79.2529

 1.5075, 0.0000,  
0.0000

 245.4391,

 0.3309, 0.0000,

183.4418, 104.2919

0.0000

294.6743,  
224.9902, 134.1167

■ 0.0000, 0.0000,  
0.0000

■ 43.1376, 23.9132,  
6.0835

■ 43.1376, 23.9132,  
6.0835

■ 41.8474, 22.0771,  
3.3606

■ 45.3406, 27.0928,  
10.6003

■ 41.2741, 21.2739,  
2.1103

■ 48.5817, 31.8018,  
17.1468

■ 41.2737, 21.2735,  
2.1096

■ 52.9680, 38.2017,  
25.9242

■ 58.5932, 46.4321,  
37.1092

■ 65.5411, 56.6185,  
50.8608

73.8882, 68.8749,  
67.3245

83.7053, 83.3069,  
86.6347

95.0496, 99.9998,  
108.9000

# Harmonies

## Analogous

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



48.0049, 23.9132, 23.3988



43.1376, 23.9132, 6.0835



32.7425, 23.9132, 1.3160

# Triad

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



43.1376, 23.9132, 6.0835



9.5081, 23.9132, 8.0618



23.6965, 23.9132, 129.6387

# Complementary

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



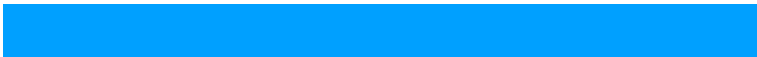
43.1376, 23.9132, 6.0835



54.3839, 79.1269, 102.8635

# 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.



14.9983, 23.9132, 112.8175



43.1376, 23.9132, 6.0835



8.3769, 23.9132, 28.8673

# Square

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



43.1376, 23.9132, 6.0835



13.7800, 23.9132, 1.7261



10.0519, 23.9132, 69.0381



34.8965, 23.9132, 105.7082



# Rectangle

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



43.1376, 23.9132, 6.0835



25.2264, 23.9132, 0.6499



10.0519, 23.9132, 69.0381



20.4017, 23.9132, 128.5772

# Sweetspot

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



43.1381, 23.9147, 6.0838



70.3710, 63.7081, 60.3925



58.0167, 29.5822, 97.2590



14.4345, 12.7145, 11.6880



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.



43.1381, 23.9147, 6.0838



41.4456, 21.5194, 2.4665



52.1488, 42.1215, 8.5159



18.0274, 17.9943, 18.7613



21.5744, 11.1190, 1.1432



2.1067, 1.0850, 0.1431



# Inverse Universe

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



43.1381, 23.9147, 6.0838



41.4456, 21.5194, 2.4665



31.9537, 32.9995, 99.2923



18.0274, 17.9943, 18.7613



21.5744, 11.1190, 1.1432



2.1067, 1.0850, 0.1431



# Previews

## White Background



This preview shows how the XYZ color 43.1376, 23.9132, 6.0835 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

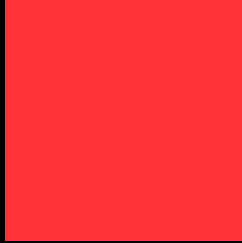
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.1376, 23.9132, 6.0835 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 43.1376, 23.9132, 6.0835**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1376, 23.9132, 6.0835.



This preview shows how white text looks on a background with the XYZ color 43.1376, 23.9132,



# 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

43.1376, 23.9132, 6.0835

### Protanopia

22.1446, 24.1102, 11.0760

### Deuteranopia

24.4644, 24.0266, 5.3557



## Tritanopia

43.0878, 23.9639, 5.6033

# Trichromacy



## Original Color

43.1376, 23.9132, 6.0835

## Protanomaly

26.3373, 20.7947, 8.5869

## Deuteranomaly

28.8697, 21.5910, 5.2306

## Tritanomaly

43.1106, 23.9730, 5.7232

# Monochromacy



## Original Color

43.1376, 23.9132, 6.0835

## Achromatopsia

15.6958, 16.5132, 17.9829

## Achromatomaly

21.1050, 16.0844, 12.1175

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1376, 23.9132, 6.0835 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, 51, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 56)  
}
```

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, 51, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 56) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1376, 23.9132, 6.0835 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, 51, 56) }
```



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

```
.border{ border-color:rgb(255, 51, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
56) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1376, 23.9132, 6.0835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 56) }
```

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

```
.background{ background-color: rgb(255, 51,  
56) }
```

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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