

# Converting Colors

XYZ(31.6346, 17.3785, 3.5592)

Have a look what the booklet for  
XYZ(31.6346, 17.3785, 3.5592)  
contains.

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# Color

**XYZ(31.5401, 17.3455,  
3.5194)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF2826
RGB	223, 40, 38
RGB Percent	87%, 16%, 15%
CMY	0.1255, 0.8431, 0.8510
CMYK	0.00, 0.82, 0.83, 0.13
HSL	1°, 74%, 51%
HSV	1°, 83%, 87%
XYZ	31.5401, 17.3455, 3.5194
YIQ	94.4890, 109.7100, 38.1740

# Conversions

## Conversions Part 2

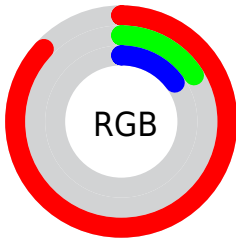
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 40, 38
Decimal	14624806
CIE Lab	48.69, 67.31, 47.83
CIE LCh	49, 82.577, 35.396
Yxy	17.3455, 0.6019, 0.3310
Android (android.graphics.Color)	4292814886 (0xFFDF2826)
YUV	94.4890, -27.8491, 112.7041
Hunter-Lab	41.6479, 62.2947, 24.1433

# Details

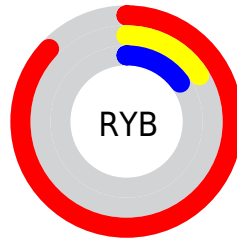
The XYZ color **31.5401, 17.3455, 3.5194** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **39.9705, 57.4436, 78.7926**, and the grayscale version is **10.8030, 11.3656, 12.3772**.

A 20% lighter version of the original color is **47.9313, 32.0190, 12.2484**, and **14.2981, 7.3709, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **30.7382, 16.1557, 1.9769**, and if you desaturate by 10%, it is **32.9815, 19.4706, 6.3367**.

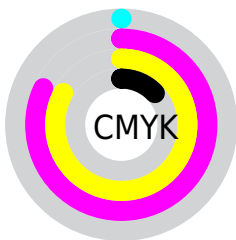
# Distribution



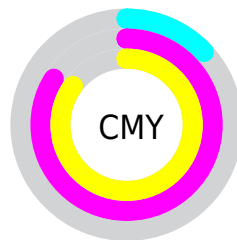
- Red (87%)
- Green (16%)
- Blue (15%)



- Red (87%)
- Yellow (16%)
- Blue (15%)



- Cyan (0%)
- Magenta (82%)
- Yellow (83%)
- Black (13%)




- Cyan (13%)
- Magenta (84%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5401, 17.3455, 3.5194 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 31.5401, 17.3455, 3.5194 by changing the saturation by 10% instead.





 31.5401, 17.3455,  
3.5194


 31.5401, 17.3455,  
3.5194


300.8015,  
237.1556, 142.7235


 21.1643, 10.4811,  
1.3656


 61.4595, 38.9189,  
12.8852


 13.3573, 5.7191,  
0.1146


 81.7338, 54.3966,  
20.9344


 7.7537, 2.6750,  
0.0000


 106.0383, 73.5143,  
31.7856

 3.9883, 0.9645,  
0.0000

 134.7384, 96.6564,  
45.8576

 1.6955, 0.0000,  
0.0000

 168.1994,  
124.2071, 63.5689


 0.4534, 0.0000,  
0.0000


 206.7867,


 0.0000, 0.0000,


156.5510, 85.3379


0.0000


 250.8656,  
194.0723, 111.5833


 31.5401, 17.3455,  
3.5194


 31.5401, 17.3455,  
3.5194


 30.7382, 16.1557,  
1.9769

 32.9815, 19.4706,  
6.3367


 30.4576, 15.7406,  
1.4330


 35.1577, 22.6673,  
10.6252


 38.1494, 27.0526,  
16.5488


 42.0262, 32.7277,  
24.2493

 46.8507, 39.7829,  
33.8533

 52.6793, 48.3005,  
45.4757

 59.5645, 58.3562,  
59.2225

 67.5548, 70.0205,  
75.1922

 76.6958, 83.3598,  
93.4771

# Harmonies

## Analogous

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



35.7897, 17.3455, 15.2102



31.5401, 17.3455, 3.5194



23.3673, 17.3455, 0.6204

# Triad

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



31.5401, 17.3455, 3.5194



6.4333, 17.3455, 6.2519



17.9023, 17.3455, 98.9902

# Complementary

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



31.5401, 17.3455, 3.5194



39.9705, 57.4436, 78.7926

# 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.



11.1092, 17.3455, 88.4563



31.5401, 17.3455, 3.5194



5.7812, 17.3455, 23.1116

# Square

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



31.5401, 17.3455, 3.5194



9.3747, 17.3455, 1.1772



7.1971, 17.3455, 55.0907



26.5084, 17.3455, 77.8680



# Rectangle

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



31.5401, 17.3455, 3.5194



17.6903, 17.3455, 0.1148



7.1971, 17.3455, 55.0907



15.3383, 17.3455, 99.1426

# Sweetspot

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



31.5405, 17.3466, 3.5196



69.5091, 62.7077, 57.8749



44.4436, 22.4018, 71.7931



14.2689, 12.5323, 11.1732



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.



31.5405, 17.3466, 3.5196



41.2702, 21.3203, 1.9401



38.8304, 31.9265, 5.9496



13.7192, 13.7243, 14.2328



17.9140, 9.2659, 0.8443



1.2460, 0.6508, 0.0600



# Inverse Universe

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



39.9705, 57.4436, 78.7926



52.9296, 76.9793, 106.6765



22.1679, 21.8384, 72.8585



14.1031, 15.5454, 17.6449



22.9738, 33.4171, 46.2877



1.5966, 2.3247, 3.2098



# Previews

## White Background



This preview shows how the XYZ color 31.5401, 17.3455, 3.5194 looks on a white 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



# Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 31.5401, 17.3455, 3.5194**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.5401, 17.3455, 3.5194.



This preview shows how white text looks on a background with the XYZ color 31.5401, 17.3455,

3.5194.

# 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

31.5401, 17.3455, 3.5194

### Protanopia

16.1531, 17.6851, 6.4331

### Deuteranopia

17.7097, 17.3954, 2.9546



## Tritanopia

31.5564, 17.3520, 3.6055

# Trichromacy



## Original Color

31.5401, 17.3455, 3.5194

## Protanomaly

19.2524, 15.1616, 4.9294

## Deuteranomaly

21.1032, 15.6811, 2.8342

## Tritanomaly

31.5564, 17.3520, 3.6055

# Monochromacy



## Original Color

31.5401, 17.3455, 3.5194

## Achromatopsia

10.6392, 11.1932, 12.1894

## Achromatomaly

14.6693, 11.0547, 7.8392

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.5401, 17.3455, 3.5194 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(223, 40, 38)` looks like.

```
.text, #text, p{  
    color:rgb(223, 40, 38)  
}
```

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(223, 40, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 40, 38) }
```

## Border

The CSS property to change the border of an element to XYZ 31.5401, 17.3455, 3.5194 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(223, 40, 38) }
```



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

```
.border{ border-color:rgb(223, 40, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 40, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 40, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 40, 38);  
box-shadow:4px 4px 4px 4px rgb(223, 40,  
38) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.5401, 17.3455, 3.5194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 40, 38) }
```

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

```
.background{ background-color: rgb(223, 40,  
38) }
```

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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