

Converting Colors

XYZ(31.9102, 16.3152, 7.5982)

Have a look what the booklet for
XYZ(31.9102, 16.3152, 7.5982)
contains.

XYZ(31.9102, 16.3152, 7.5982)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.9102, 16.3152,
7.5982)**

Conversions

Conversions Part 1

Format	Color
Hex	E00048
RGB	224, 0, 72
RGB Percent	88%, 0%, 28%
CMY	0.1216, 0.9998, 0.7176
CMYK	0.00, 1.00, 0.68, 0.12
HSL	341°, 100%, 44%
HSV	341°, 100%, 88%
XYZ	31.9102, 16.3152, 7.5982
YIQ	75.1840, 110.3920, 69.8800

Conversions

Conversions Part 2

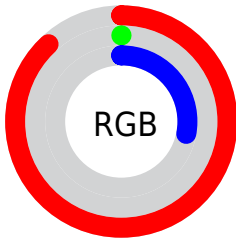
Format	Color
R_{YB}	224, 0, 72
Decimal	14680136
CIE _{Lab}	47.39, 74.30, 26.94
CIE _{LCh}	47, 79.032, 19.934
Yxy	16.3152, 0.5716, 0.2923
Android (android.graphics.Color)	4292870216 (0xFFE00048)
YUV	75.1840, -1.5697, 130.5116
Hunter-Lab	40.3921, 70.3309, 17.1213

Details

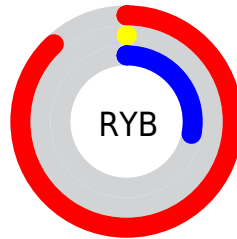
The XYZ color **31.9102, 16.3152, 7.5982** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **32.3279, 55.5800, 38.7520**, and the grayscale version is **6.7149, 7.0646, 7.6934**.

A 20% lighter version of the original color is **48.3713, 30.0982, 21.0294**, and **14.7315, 7.5673, 1.9125** is the 20% darker color. If you saturate the color by 10%, you get **31.9089, 16.3146, 7.5921**, and if you desaturate by 10%, it is **32.7646, 17.1299, 10.6401**.

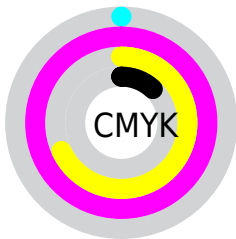
Distribution



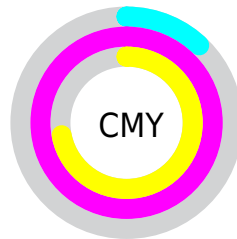
- Red (88%)
- Green (0%)
- Blue (28%)



- Red (88%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (68%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9102, 16.3152, 7.5982 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 31.9102, 16.3152, 7.5982 by changing the saturation by 10% instead.

 31.9102, 16.3152,
7.5982


 31.9102, 16.3152,
7.5982


302.4625,
231.1945, 182.3609


 21.4481, 9.7475,
3.7549


 62.0364, 37.1445,
21.6999


 13.5663, 5.2318,
1.4919


 82.4313, 52.1750,
32.7954


 7.8993, 2.3839,
0.2118


 106.8678, 70.7950,
47.1453

 4.0818, 0.8176,
0.0000

 135.7113, 93.3892,
65.1683

 1.7485, 0.0000,
0.0000

 169.3272,
120.3418, 87.2828

 0.4864, 0.0000,
0.0000

 208.0808,

 0.0000, 0.0000,

152.0373, 113.9074

0.0000

252.3375,
188.8601, 145.4606

■ 31.9102, 16.3152,
7.5982

■ 31.9102, 16.3152,
7.5982

■ 31.9089, 16.3146,
7.5921

■ 32.7646, 17.1299,
10.6401

■ 34.0916, 18.6801,
14.4853

■ 36.0094, 21.1903,
19.2107

■ 38.5880, 24.7893,
24.8740

■ 41.8869, 29.5857,
31.5272

■ 45.9587, 35.6749,
39.2179

■ 50.8508, 43.1425,
47.9905

■ 56.6068, 52.0668,
57.8865

■ 63.2670, 62.5201,
68.9453

Harmonies

Analogous

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



32.8893, 16.3152, 25.3883



31.9102, 16.3152, 7.5982



25.8821, 16.3152, 1.5819

Triad

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



31.9102, 16.3152, 7.5982



7.3200, 16.3152, 2.7128



13.2719, 16.3152, 89.1446

Complementary

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



31.9102, 16.3152, 7.5982



32.3279, 55.5800, 38.7520

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.



8.3578, 16.3152, 66.5947



31.9102, 16.3152, 7.5982



5.6726, 16.3152, 11.8437

Square

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



31.9102, 16.3152, 7.5982



11.3567, 16.3152, 0.5175



5.9846, 16.3152, 34.4100



20.5624, 16.3152, 84.2096

Rectangle

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



31.9102, 16.3152, 7.5982



20.5978, 16.3152, 0.5219



5.9846, 16.3152, 34.4100



11.3329, 16.3152, 84.1235

Sweetspot

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



31.9106, 16.3162, 7.5984



68.0488, 57.6156, 64.0826



25.9135, 11.8055, 71.4335



13.9416, 11.3759, 12.6111



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.



31.9106, 16.3162, 7.5984



42.7601, 21.8680, 9.9348



31.4139, 17.1940, 1.6646



13.8878, 13.7728, 15.1794



18.6200, 9.5150, 4.6646



1.3306, 0.6755, 0.5336

Inverse Universe

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



31.9106, 16.3162, 7.5984



42.7601, 21.8680, 9.9348



31.1566, 40.7850, 76.7508



13.8878, 13.7728, 15.1794



18.6200, 9.5150, 4.6646



1.3306, 0.6755, 0.5336

Previews

White Background



This preview shows how the XYZ color 31.9102, 16.3152, 7.5982 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 31.9102, 16.3152, 7.5982

Background



This preview shows how black text looks on a background with the XYZ color 31.9102, 16.3152, 7.5982.



This preview shows how white text looks on a background with the XYZ color 31.9102, 16.3152,

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

31.9102, 16.3152, 7.5982

Protanopia

16.0900, 16.9268, 16.0548

Deuteranopia

17.1534, 16.8605, 6.9078



Tritanopia

31.0463, 16.6369, 2.4946

Trichromacy



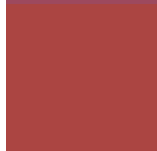
Original Color

31.9102, 16.3152, 7.5982



Protanomaly

18.3076, 12.7413, 12.0841



Deuteranomaly

19.9061, 13.3075, 6.6737



Tritanomaly

31.0656, 16.2878, 3.6970

Monochromacy



Original Color

31.9102, 16.3152, 7.5982



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

11.3462, 7.2754, 7.2849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9102, 16.3152, 7.5982 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(224, 0, 72)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 72)  
}
```

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(224, 0, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 72) }
```

Border

The CSS property to change the border of an element to XYZ 31.9102, 16.3152, 7.5982 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(224, 0, 72) }
```


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

```
.border{ border-color:rgb(224, 0, 72) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 72);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 72)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.9102, 16.3152, 7.5982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 72) }
```

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

```
.background{ background-color: rgb(224, 0,  
72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor