

Converting Colors

XYZ(31.3823, 17.2312, 7.3021)

Have a look what the booklet for
XYZ(31.3823, 17.2312, 7.3021)
contains.

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Color

**XYZ(31.3823, 17.2312,
7.3021)**

Conversions

Conversions Part 1

Format	Color
Hex	DC2945
RGB	220, 41, 69
RGB Percent	86%, 16%, 27%
CMY	0.1373, 0.8391, 0.7294
CMYK	0.00, 0.81, 0.69, 0.14
HSL	351°, 72%, 51%
HSV	351°, 81%, 86%
XYZ	31.3823, 17.2312, 7.3021
YIQ	97.7130, 97.6960, 46.6560

Conversions

Conversions Part 2

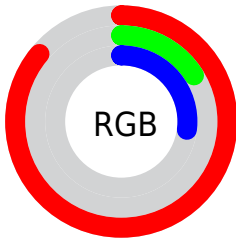
Format	Color
RYB	220, 41, 69
Decimal	14428485
CIELab	48.55, 67.35, 30.04
CIElCh	49, 73.744, 24.036
Yxy	17.2312, 0.5612, 0.3082
Android (android.graphics.Color)	4292618565 (0xFFDC2945)
YUV	97.7130, -14.1555, 107.2457
Hunter-Lab	41.5105, 62.3043, 18.6276

Details

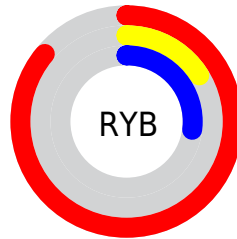
The XYZ color **31.3823, 17.2312, 7.3021** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **36.0243, 55.4643, 58.6854**, and the grayscale version is **11.5571, 12.1589, 13.2411**.

A 20% lighter version of the original color is **49.5025, 32.6475, 20.5222**, and **14.0911, 7.2427, 1.6326** is the 20% darker color. If you saturate the color by 10%, you get **30.3334, 15.9160, 4.5409**, and if you desaturate by 10%, it is **33.0367, 19.4697, 11.1541**.

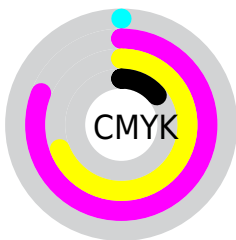
Distribution



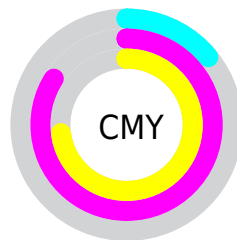
- Red (86%)
- Green (16%)
- Blue (27%)



- Red (86%)
- Yellow (16%)
- Blue (27%)



- Cyan (0%)
- Magenta (81%)
- Yellow (69%)
- Black (14%)





- Cyan (14%)
- Magenta (84%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3823, 17.2312, 7.3021 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 31.3823, 17.2312, 7.3021 by changing the saturation by 10% instead.


 31.3823, 17.2312,
7.3021


 31.3823, 17.2312,
7.3021


300.0913,
236.5012, 179.8759


 21.0434, 10.3995,
3.5704


 61.2132, 38.7229,
21.1016


 13.2684, 5.6646,
1.3928


 81.4359, 54.1516,
32.0064

 7.6919, 2.6422,
0.1361


 105.6840, 73.2148,
46.1395

 3.9486, 0.9479,
0.0000

 134.3227, 96.2968,
63.9192

 1.6731, 0.0000,
0.0000

 167.7174,
123.7820, 85.7642

 0.4393, 0.0000,
0.0000

 206.2335,

 0.0000, 0.0000,

156.0549, 112.0929

0.0000

250.2363,
193.4999, 143.3240

■ 31.3823, 17.2312,
7.3021

■ 31.3823, 17.2312,
7.3021

■ 30.3334, 15.9160,
4.5409

■ 33.0367, 19.4697,
11.1541

■ 29.8095, 15.3333,
2.9320

■ 35.3726, 22.7583,
16.1971

■ 38.4557, 27.2069,
22.5200

■ 42.3437, 32.9109,
30.2033

■ 47.0882, 39.9556,
39.3205

■ 52.7369, 48.4190,
49.9399

■ 59.3335, 58.3730,
62.1255

■ 66.9193, 69.8845,
75.9373

■ 75.5328, 83.0166,
91.4324

Harmonies

Analogous

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



33.0440, 17.2312, 22.9101



31.3823, 17.2312, 7.3021



25.2778, 17.2312, 1.8705

Triad

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



31.3823, 17.2312, 7.3021



7.9370, 17.2312, 4.2766



15.0615, 17.2312, 85.6711

Complementary

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



31.3823, 17.2312, 7.3021



36.0243, 55.4643, 58.6854

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.



9.8585, 17.2312, 68.0314



31.3823, 17.2312, 7.3021



6.5400, 17.2312, 15.1472

Square

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



31.3823, 17.2312, 7.3021



11.6256, 17.2312, 1.1549



7.1310, 17.2312, 38.4211



22.2751, 17.2312, 77.5941

Rectangle

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



31.3823, 17.2312, 7.3021



20.2269, 17.2312, 0.8954



7.1310, 17.2312, 38.4211



13.0508, 17.2312, 82.3127

Sweetspot

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



31.3827, 17.2322, 7.3024



71.3108, 64.0840, 65.3413



34.9891, 17.7232, 69.2865



14.6531, 12.8019, 12.8390



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.



31.3827, 17.2322, 7.3024



41.7532, 21.5539, 4.3594



34.5380, 24.6206, 5.0313



13.1386, 13.0846, 13.9913



17.5213, 9.0096, 1.8592



1.1615, 0.5942, 0.2596

Inverse Universe

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



31.3827, 17.2322, 7.3024



41.7532, 21.5539, 4.3594



26.4629, 30.8982, 72.2789



13.1386, 13.0846, 13.9913



17.5213, 9.0096, 1.8592



1.1615, 0.5942, 0.2596

Previews

White Background



This preview shows how the XYZ color 31.3823, 17.2312, 7.3021 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



This preview shows how the XYZ color 31.3823, 17.2312, 7.3021 looks on a 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 31.3823, 17.2312, 7.3021

Background



This preview shows how black text looks on a background with the XYZ color 31.3823, 17.2312, 7.3021.



This preview shows how white text looks on a background with the XYZ color 31.3823, 17.2312,

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

31.3823, 17.2312, 7.3021

Protanopia

16.5714, 17.5648, 13.8262

Deuteranopia

17.8015, 17.5243, 6.5820



Tritanopia

30.6836, 17.2113, 4.2897

Trichromacy



Original Color

31.3823, 17.2312, 7.3021

Protanomaly

19.3932, 15.1020, 10.9097

Deuteranomaly

21.0196, 15.6724, 6.6198

Tritanomaly

30.7800, 17.1278, 5.1737

Monochromacy



Original Color

31.3823, 17.2312, 7.3021

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

15.5295, 11.7467, 10.4657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3823, 17.2312, 7.3021 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(220, 41, 69)` looks like.

```
.text, #text, p{  
    color:rgb(220, 41, 69)  
}
```

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(220, 41, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 41, 69) }
```

Border

The CSS property to change the border of an element to XYZ 31.3823, 17.2312, 7.3021 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(220, 41, 69) }
```


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

```
.border{ border-color:rgb(220, 41, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 41, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 41, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 41, 69);  
box-shadow:4px 4px 4px 4px rgb(220, 41,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3823, 17.2312, 7.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 41, 69) }
```

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

```
.background{ background-color: rgb(220, 41,  
69) }
```

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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