

Converting Colors

XYZ(31.4779, 16.2221, 7.8913)

Have a look what the booklet for
XYZ(31.4779, 16.2221, 7.8913)
contains.

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Color

**XYZ(31.4471, 16.1977,
7.9476)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | DE084A |
| RGB | 222, 8, 74 |
| RGB Percent | 87%, 3%, 29% |
| CMY | 0.1294, 0.9684, 0.7098 |
| CMYK | 0.00, 0.96, 0.67, 0.13 |
| HSL | 342°, 93%, 45% |
| HSV | 342°, 96%, 87% |
| XYZ | 31.4471, 16.1977, 7.9476 |
| YIQ | 79.5100, 106.3580, 65.8940 |

Conversions

Conversions Part 2

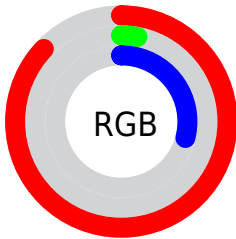
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 222, 8, 74 |
| Decimal | 14551114 |
| CIE _{Lab} | 47.23, 73.27, 25.44 |
| CIE _{LCh} | 47, 77.556, 19.147 |
| Yxy | 16.1977, 0.5657, 0.2914 |
| Android (android.graphics.Color) | 4292741194 (0xFFDE084A) |
| YUV | 79.5100, -2.7164, 124.9637 |
| Hunter-Lab | 40.2464, 69.0425, 16.4642 |

Details

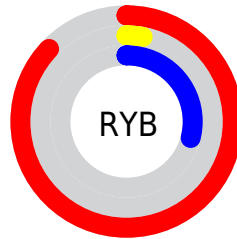
The XYZ color **31.4471, 16.1977, 7.9476** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **32.2269, 54.6962, 40.3337**, and the grayscale version is **7.5260, 7.9180, 8.6227**.

A 20% lighter version of the original color is **48.5800, 30.3194, 21.7041**, and **14.3479, 7.3680, 1.9623** is the 20% darker color. If you saturate the color by 10%, you get **31.1806, 15.9522, 6.9737**, and if you desaturate by 10%, it is **32.4129, 17.1981, 11.1413**.

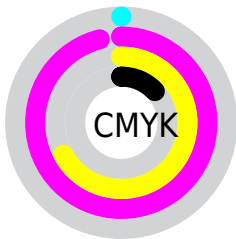
Distribution



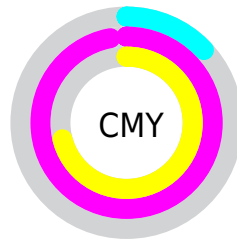
- Red (87%)
- Green (3%)
- Blue (29%)



- Red (87%)
- Yellow (3%)
- Blue (29%)



- Cyan (0%)
- Magenta (96%)
- Yellow (67%)
- Black (13%)





- Cyan (13%)
- Magenta (97%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4471, 16.1977, 7.9476 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 31.4471, 16.1977, 7.9476 by changing the saturation by 10% instead.


 31.4471, 16.1977,
7.9476

 31.4471, 16.1977,
7.9476


300.3831,
230.5055, 185.2397


 21.0930, 9.6642,
3.9741


 61.3144, 36.9411,
22.4001


 13.3049, 5.1769,
1.6112


 81.5583, 51.9197,
33.7163


 7.7173, 2.3514,
0.2988


 105.8295, 70.4822,
48.3171

 3.9648, 0.8007,
0.0000

 134.4934, 93.0128,
66.6211

 1.6823, 0.0000,
0.0000

 167.9154,
119.8961, 89.0468

 0.4451, 0.0000,
0.0000

 206.4608,

 0.0000, 0.0000,

151.5164, 116.0128

0.0000

250.4949,
188.2580, 147.9375

■ 31.4471, 16.1977,
7.9476

■ 31.4471, 16.1977,
7.9476

■ 31.1806, 15.9522,
6.9737

■ 32.4129, 17.1981,
11.1413

■ 33.9074, 19.0400,
15.1757

■ 36.0110, 21.8722,
20.1157

■ 38.7883, 25.8127,
26.0179

■ 42.2954, 30.9627,
32.9337

■ 46.5819, 37.4117,
40.9105

■ 51.6932, 45.2410,
49.9925

■ 57.6709, 54.5249,
60.2212

■ 64.5540, 65.3327,
71.6358

Harmonies

Analogous

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



32.2458, 16.1977, 25.7148



31.4471, 16.1977, 7.9476



25.6914, 16.1977, 1.7382

Triad

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



31.4471, 16.1977, 7.9476



7.4407, 16.1977, 2.6958



13.0512, 16.1977, 86.4428

Complementary

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



31.4471, 16.1977, 7.9476



32.2269, 54.6962, 40.3337

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.



8.2996, 16.1977, 64.1730



31.4471, 16.1977, 7.9476



5.7592, 16.1977, 11.4566

Square

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



31.4471, 16.1977, 7.9476



11.4746, 16.1977, 0.5712



6.0184, 16.1977, 33.0867



20.1210, 16.1977, 82.4404

Rectangle

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



31.4471, 16.1977, 7.9476



20.5635, 16.1977, 0.6264



6.0184, 16.1977, 33.0867



11.1751, 16.1977, 81.3740

Sweetspot

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



31.4475, 16.1987, 7.9478



68.6545, 58.6803, 64.7372



26.6460, 12.3432, 70.0850



14.0512, 11.5741, 12.7126



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.



31.4475, 16.1987, 7.9478



42.6369, 21.8188, 9.2859



31.1957, 17.6023, 1.9846



13.8803, 13.7698, 15.1401



18.5646, 9.4928, 4.3730



1.3260, 0.6737, 0.5096

Inverse Universe

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



31.4475, 16.1987, 7.9478



42.6369, 21.8188, 9.2859



30.1728, 39.1003, 75.0637



13.8803, 13.7698, 15.1401



18.5646, 9.4928, 4.3730



1.3260, 0.6737, 0.5096

Previews

White Background



This preview shows how the XYZ color 31.4471, 16.1977, 7.9476 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 31.4471, 16.1977, 7.9476 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 31.4471, 16.1977, 7.9476

Background



This preview shows how black text looks on a background with the XYZ color 31.4471, 16.1977, 7.9476.



This preview shows how white text looks on a background with the XYZ color 31.4471, 16.1977,

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

31.4471, 16.1977, 7.9476

Protanopia

16.0016, 16.6963, 16.8473

Deuteranopia

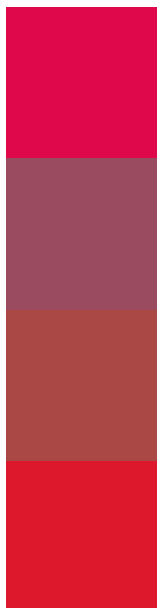
16.9354, 16.5843, 7.1590



Tritanopia

30.5066, 16.4313, 2.6006

Trichromacy



Original Color

31.4471, 16.1977, 7.9476

Protanomaly

18.1450, 12.8452, 12.5894

Deuteranomaly

19.7229, 13.4871, 7.0326

Tritanomaly

30.5798, 16.1668, 3.8916

Monochromacy



Original Color

31.4471, 16.1977, 7.9476

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

12.2100, 8.0939, 8.1265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4471, 16.1977, 7.9476 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(222, 8, 74)` looks like.

```
.text, #text, p{  
    color:rgb(222, 8, 74)  
}
```

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(222, 8, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 8, 74) }
```

Border

The CSS property to change the border of an element to XYZ 31.4471, 16.1977, 7.9476 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(222, 8, 74) }
```


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

```
.border{ border-color:rgb(222, 8, 74) }
```

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

Here you see how a box with a 4 pixel rgb(222, 8, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 8, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 8, 74);  
box-shadow:4px 4px 4px 4px rgb(222, 8, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.4471, 16.1977, 7.9476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 8, 74) }
```

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

```
.background{ background-color: rgb(222, 8,  
74) }
```

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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