

Converting Colors

XYZ(28.3234, 10.7352, 0.0000)

Have a look what the booklet for
XYZ(28.3234, 10.7352, 0.0000)
contains.

XYZ(31.0513, 16.0076, 1.4532)	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(31.0513, 16.0076,
1.4532)**

Conversions

Conversions Part 1

Format	Color
Hex	E10000
RGB	225, 0, 0
RGB Percent	88%, 0%, 0%
CMY	0.1177, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.12
HSL	0°, 100%, 44%
HSV	0°, 100%, 88%
XYZ	31.0513, 16.0076, 1.4532
YIQ	67.2750, 134.1000, 47.7000

Conversions

Conversions Part 2

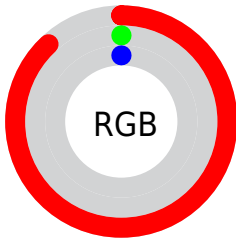
Format	Color
R_{YB}	225, 0, 0
Decimal	14745600
CIE Lab	46.98, 72.88, 61.15
CIE LCh	47, 95.137, 40.000
Yxy	16.0076, 0.6401, 0.3300
Android (android.graphics.Color)	4292935680 (0xFFE10000)
YUV	67.2750, -33.1666, 138.3248
Hunter-Lab	40.0095, 68.5169, 25.8532

Details

The XYZ color **31.0513, 16.0076, 1.4532** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **40.5001, 59.2554, 80.5362**, and the grayscale version is **5.4198, 5.7020, 6.2095**.

A 20% lighter version of the original color is **45.5858, 28.8482, 6.7800**, and **14.2981, 7.3709, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **31.0516, 16.0086, 1.4534**, and if you desaturate by 10%, it is **31.4983, 16.6624, 2.3407**.

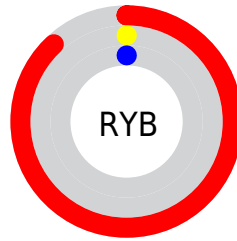
Distribution



Red (88%)

Green (0%)

Blue (0%)



Red (88%)

Yellow (0%)

Blue (0%)

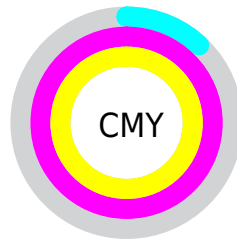


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0513, 16.0076, 1.4532 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 31.0513, 16.0076, 1.4532 by changing the saturation by 10% instead.


 31.0513, 16.0076,
1.4532


 31.0513, 16.0076,
1.4532


 298.5972,
229.3866, 113.2070


 20.7899, 9.5295,
0.1827


 60.6961, 36.6114,
7.4834


 13.0821, 5.0882,
0.0000


 80.8103, 51.5059,
13.2722

 7.5625, 2.2991,
0.0000


 104.9394, 69.9747,
21.4684

 3.8657, 0.7732,
0.0000

 133.4489, 92.4022,
32.4903

 1.6265, 0.0000,
0.0000

 166.7041,
119.1727, 46.7566

 0.4096, 0.0000,
0.0000


 205.0703,


 0.0000, 0.0000,


150.6707, 64.6858


0.0000


 248.9129,
187.2805, 86.6964


 31.0513, 16.0076,
1.4532


 31.0513, 16.0076,
1.4532


 31.0516, 16.0086,
1.4534

 31.4983, 16.6624,
2.3407

 32.4648, 18.0772,
4.2609

 34.1187, 20.4976,
7.5475

 36.5556, 24.0638,
12.3911

 39.8563, 28.8939,
18.9522

■ 44.0914, 35.0911,
27.3713

■ 49.3244, 42.7483,
37.7744

■ 55.6129, 51.9499,
50.2765

■ 63.0105, 62.7743,
64.9838

Harmonies

Analogous

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



37.0285, 16.0076, 10.6235



31.0513, 16.0076, 1.4532



21.3672, 16.0076, 0.0000

Triad

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



31.0513, 16.0076, 1.4532



4.5904, 16.0076, 5.9877



18.1648, 16.0076, 112.6583

Complementary

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



31.0513, 16.0076, 1.4532



40.5001, 59.2554, 80.5362

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.



10.3736, 16.0076, 105.6386



31.0513, 16.0076, 1.4532



4.2734, 16.0076, 26.6560

Square

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



31.0513, 16.0076, 1.4532



7.0753, 16.0076, 0.5683



5.9567, 16.0076, 66.5697



27.9862, 16.0076, 81.3399

Rectangle

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



31.0513, 16.0076, 1.4532



15.2147, 16.0076, 0.0000



5.9567, 16.0076, 66.5697



15.2148, 16.0076, 115.0906

Sweetspot

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



31.0516, 16.0086, 1.4534



65.3501, 56.5423, 49.8526



44.6415, 21.4436, 73.0195



13.3229, 11.1298, 9.3491



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.



31.0516, 16.0086, 1.4534



41.2407, 21.2614, 1.9302



36.9005, 27.7064, 3.4030



13.7076, 13.7011, 14.2289



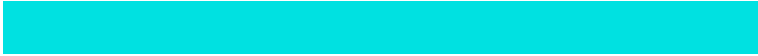
17.8937, 9.2252, 0.8375



1.2404, 0.6396, 0.0581

Inverse Universe

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



40.5001, 59.2554, 80.5362



53.7895, 78.6990, 106.9632



19.4400, 17.1352, 73.5162



14.1163, 15.5718, 17.6493



23.3384, 34.1463, 46.4092



1.6178, 2.3670, 3.2169

Previews

White Background



This preview shows how the XYZ color 31.0513, 16.0076, 1.4532 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 31.0513, 16.0076, 1.4532

Background



This preview shows how black text looks on a background with the XYZ color 31.0513, 16.0076, 1.4532.



This preview shows how white text looks on a background with the XYZ color 31.0513, 16.0076,

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

31.0513, 16.0076, 1.4532

Protanopia

14.9915, 16.6354, 3.5832

Deuteranopia

16.6903, 16.5648, 2.3176



Tritanopia

30.6996, 16.2243, 1.5136

Trichromacy



Original Color

31.0513, 16.0076, 1.4532

Protanomaly

17.5960, 12.5953, 2.0760

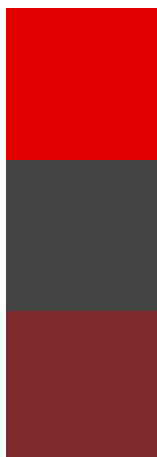
Deuteranomaly

19.3617, 13.1405, 1.5159

Tritanomaly

30.8844, 16.1351, 1.4866

Monochromacy



Original Color

31.0513, 16.0076, 1.4532

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

9.6121, 6.1873, 2.9731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0513, 16.0076, 1.4532 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(225, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 0)  
}
```

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(225, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.0513, 16.0076, 1.4532 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(225, 0, 0) }
```


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

```
.border{ border-color:rgb(225, 0, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(225, 0, 0); box-shadow:4px  
4px 4px 4px rgb(225, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0513, 16.0076, 1.4532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 0, 0) }
```

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

```
.background{ background-color: rgb(225, 0,  
0) }
```

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