

Converting Colors

XYZ(30.5333, 15.3991, 4.2533)

Have a look what the booklet for
XYZ(30.5333, 15.3991, 4.2533)
contains.

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Color

**XYZ(30.6786, 15.7513,
4.3291)**

Conversions

Conversions Part 1

Format	Color
Hex	DE0031
RGB	222, 0, 49
RGB Percent	87%, 0%, 19%
CMY	0.1294, 0.9998, 0.8078
CMYK	0.00, 1.00, 0.78, 0.13
HSL	347°, 100%, 44%
HSV	347°, 100%, 87%
XYZ	30.6786, 15.7513, 4.3291
YIQ	71.9640, 116.5830, 62.3030

Conversions

Conversions Part 2

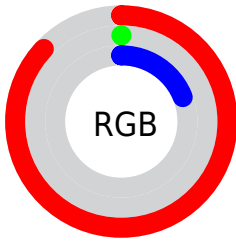
Format	Color
RYB	222, 0, 49
Decimal	14549041
CIELab	46.65, 72.95, 39.75
CIElCh	47, 83.079, 28.585
Yxy	15.7513, 0.6044, 0.3103
Android (android.graphics.Color)	4292739121 (0xFFDE0031)
YUV	71.9640, -11.3213, 131.5816
Hunter-Lab	39.6879, 68.5260, 21.3143

Details

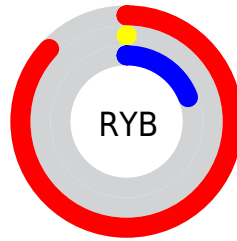
The XYZ color **30.6786, 15.7513, 4.3291** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **33.6691, 55.2615, 48.4509**, and the grayscale version is **6.1627, 6.4836, 7.0606**.

A 20% lighter version of the original color is **47.0075, 29.4169, 14.2668**, and **13.9320, 7.1791, 0.7950** is the 20% darker color. If you saturate the color by 10%, you get **30.6776, 15.7510, 4.3250**, and if you desaturate by 10%, it is **31.4081, 16.5098, 6.7327**.

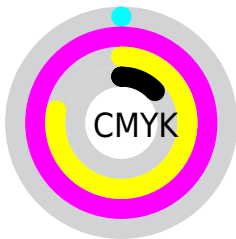
Distribution



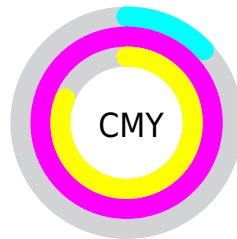
- Red (87%)
- Green (0%)
- Blue (19%)



- Red (87%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6786, 15.7513, 4.3291 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 30.6786, 15.7513, 4.3291 by changing the saturation by 10% instead.


 30.6786, 15.7513,
4.3291


 30.6786, 15.7513,
4.3291


296.9083,
227.8697, 151.8159


 20.5049, 9.3483,
1.8076


 60.1130, 36.1659,
14.7619


 12.8729, 4.9691,
0.4329


 80.1044, 50.9463,
23.5103


 7.4175, 2.2291,
0.0000


 104.0990, 69.2881,
35.1713

 3.7732, 0.7358,
0.0000

 132.4622, 91.5755,
50.1636

 1.5746, 0.0000,
0.0000

 165.5594,
118.1929, 68.9057

 0.3758, 0.0000,
0.0000

 203.7559,

 0.0000, 0.0000,

149.5249, 91.8161

0.0000

247.4171,
185.9556, 119.3133

■ 30.6786, 15.7513,
4.3291

■ 30.6786, 15.7513,
4.3291

■ 30.6776, 15.7510,
4.3250

■ 31.4081, 16.5098,
6.7327

■ 32.6264, 17.9984,
10.0616

■ 34.4549, 20.4399,
14.4185

■ 36.9666, 23.9620,
19.8834

■ 40.2235, 28.6727,
26.5279

■ 44.2806, 34.6665,
34.4175

■ 49.1876, 42.0285,
43.6125

■ 54.9901, 50.8364,
54.1692

■ 61.7302, 61.1623,
66.1408

Harmonies

Analogous

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



33.4698, 15.7513, 18.1466



30.6786, 15.7513, 4.3291



23.3906, 15.7513, 0.6659

Triad

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



30.6786, 15.7513, 4.3291



6.0038, 15.7513, 3.6875



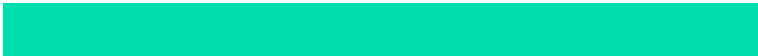
14.6324, 15.7513, 94.9315

Complementary

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



30.6786, 15.7513, 4.3291



33.6691, 55.2615, 48.4509

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.



8.8618, 15.7513, 77.9445



30.6786, 15.7513, 4.3291



4.9702, 15.7513, 16.1915

Square

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



30.6786, 15.7513, 4.3291



9.2851, 15.7513, 0.5224



5.8201, 15.7513, 43.9085



22.6037, 15.7513, 80.6570

Rectangle

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



30.6786, 15.7513, 4.3291



17.8760, 15.7513, 0.0000



5.8201, 15.7513, 43.9085



12.3994, 15.7513, 92.5400

Sweetspot

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



30.6789, 15.7523, 4.3293



67.1526, 57.2571, 59.3632



29.8084, 13.8445, 70.2080



13.7340, 11.2928, 11.5178



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.



30.6789, 15.7523, 4.3293



41.9597, 21.5479, 5.7201



31.7004, 18.6817, 1.9365



13.8304, 13.7498, 14.8770



18.2562, 9.3695, 2.7490



1.2989, 0.6628, 0.3666

Inverse Universe

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



30.6789, 15.7523, 4.3293



41.9597, 21.5479, 5.7201



26.2492, 31.4020, 73.7846



13.8304, 13.7498, 14.8770



18.2562, 9.3695, 2.7490



1.2989, 0.6628, 0.3666

Previews

White Background



This preview shows how the XYZ color 30.6786, 15.7513, 4.3291 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 30.6786, 15.7513, 4.3291

Background



This preview shows how black text looks on a background with the XYZ color 30.6786, 15.7513, 4.3291.



This preview shows how white text looks on a background with the XYZ color 30.6786, 15.7513,

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

30.6786, 15.7513, 4.3291

Protanopia

15.2012, 16.4558, 9.0317

Deuteranopia

16.5456, 16.2995, 3.8642



Tritanopia

30.1363, 15.9282, 1.7445

Trichromacy



Original Color

30.6786, 15.7513, 4.3291

Protanomaly

17.4013, 12.2972, 6.6107

Deuteranomaly

19.0277, 12.8335, 3.4817

Tritanomaly

30.1276, 15.7259, 2.3117

Monochromacy



Original Color

30.6786, 15.7513, 4.3291

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.6548, 6.8362, 5.6084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6786, 15.7513, 4.3291 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, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 49)  
}
```

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, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 49) }
```

Border

The CSS property to change the border of an element to XYZ 30.6786, 15.7513, 4.3291 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, 0, 49) }
```


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

```
.border{ border-color:rgb(222, 0, 49) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.6786, 15.7513, 4.3291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 49) }
```

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

```
.background{ background-color: rgb(222, 0,  
49) }
```

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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