

Converting Colors

XYZ(30.6787, 15.7461, 4.5695)

Have a look what the booklet for
XYZ(30.6787, 15.7461, 4.5695)
contains.

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Color

**XYZ(30.7217, 15.7686,
4.5564)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | DE0033 |
| RGB | 222, 0, 51 |
| RGB Percent | 87%, 0%, 20% |
| CMY | 0.1294, 0.9998, 0.8000 |
| CMYK | 0.00, 1.00, 0.77, 0.13 |
| HSL | 346°, 100%, 44% |
| HSV | 346°, 100%, 87% |
| XYZ | 30.7217, 15.7686, 4.5564 |
| YIQ | 72.1920, 115.9410, 62.9250 |

Conversions

Conversions Part 2

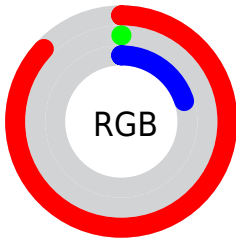
| Format | Color |
|-------------------------------------|---|
| RYB | 222, 0, 51 |
| Decimal | 14549043 |
| CIELab | 46.67, 73.01, 38.61 |
| CIELCh | 47, 82.596, 27.873 |
| Yxy | 15.7686, 0.6018, 0.3089 |
| Android (android.graphics.Color) | 4292739123 (0xFFDE0033) |
| YUV | 72.1920, -10.4477, 131.3816 |
| Hunter-Lab | 39.7097, 68.6059, 20.9937 |

Details

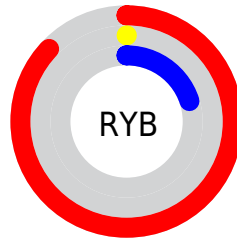
The XYZ color **30.7217, 15.7686, 4.5564** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **33.4772, 55.1846, 47.4407**, and the grayscale version is **6.2009, 6.5239, 7.1045**.

A 20% lighter version of the original color is **47.1008, 29.4542, 14.7580**, and **13.9485, 7.1856, 0.8815** is the 20% darker color. If you saturate the color by 10%, you get **30.7206, 15.7681, 4.5518**, and if you desaturate by 10%, it is **31.4623, 16.5316, 7.0182**.

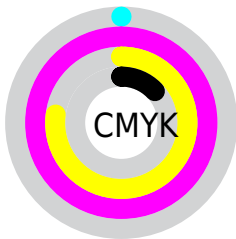
Distribution



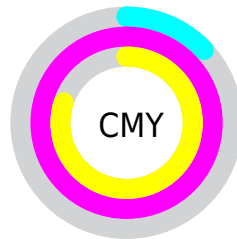
- Red (87%)
- Green (0%)
- Blue (20%)



- Red (87%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7217, 15.7686, 4.5564 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 30.7217, 15.7686, 4.5564 by changing the saturation by 10% instead.


 30.7217, 15.7686,
4.5564


 30.7217, 15.7686,
4.5564


297.1040,
227.9724, 154.2224


 20.5378, 9.3606,
1.9353


 60.1805, 36.1960,
15.2739

 12.8971, 4.9771,
0.5150


 80.1861, 50.9842,
24.2074


 7.4342, 2.2338,
0.0000


 104.1963, 69.3345,
36.0821

 3.7839, 0.7383,
0.0000

 132.5765, 91.6314,
51.3165

 1.5806, 0.0000,
0.0000

 165.6920,
118.2592, 70.3292

 0.3797, 0.0000,
0.0000

 203.9081,

 0.0000, 0.0000,

149.6024, 93.5387

0.0000

247.5904,
186.0453, 121.3636

■ 30.7217, 15.7686,
4.5564

■ 30.7217, 15.7686,
4.5564

■ 30.7206, 15.7681,
4.5518

■ 31.4623, 16.5316,
7.0182

■ 32.6895, 18.0239,
10.3938

■ 34.5242, 20.4680,
14.7827

■ 37.0388, 23.9915,
20.2626

■ 40.2950, 28.7020,
26.9029

■ 44.3473, 34.6940,
34.7670

■ 49.2453, 42.0525,
43.9135

■ 55.0339, 50.8552,
54.3971

■ 61.7554, 61.1737,
66.2695

Harmonies

Analogous

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



33.3518, 15.7686, 18.6725



30.7217, 15.7686, 4.5564



23.5521, 15.7686, 0.7352

Triad

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



30.7217, 15.7686, 4.5564



6.0993, 15.7686, 3.5890



14.4831, 15.7686, 94.2260

Complementary

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



30.7217, 15.7686, 4.5564



33.4772, 55.1846, 47.4407

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.



8.8008, 15.7686, 76.7580



30.7217, 15.7686, 4.5564



5.0193, 15.7686, 15.7491

Square

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



30.7217, 15.7686, 4.5564



9.4351, 15.7686, 0.5209



5.8234, 15.7686, 42.9393



22.3776, 15.7686, 80.7925

Rectangle

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



30.7217, 15.7686, 4.5564



18.0653, 15.7686, 0.0000



5.8234, 15.7686, 42.9393



12.2809, 15.7686, 91.6014

Sweetspot

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



30.7220, 15.7696, 4.5566



67.2308, 57.2884, 59.7751



29.8086, 13.8446, 70.2078



13.7520, 11.3000, 11.6128



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.



30.7220, 15.7696, 4.5566



42.0174, 21.5710, 6.0239



31.7004, 18.6820, 1.9367



13.8355, 13.7518, 14.9038



18.2829, 9.3801, 2.8893



1.3014, 0.6638, 0.3799

Inverse Universe

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



30.7220, 15.7696, 4.5566



42.0174, 21.5710, 6.0239



26.2494, 31.4023, 73.7844



13.8355, 13.7518, 14.9038



18.2829, 9.3801, 2.8893



1.3014, 0.6638, 0.3799

Previews

White Background



This preview shows how the XYZ color 30.7217, 15.7686, 4.5564 looks on a white background.

Color Contrast Check

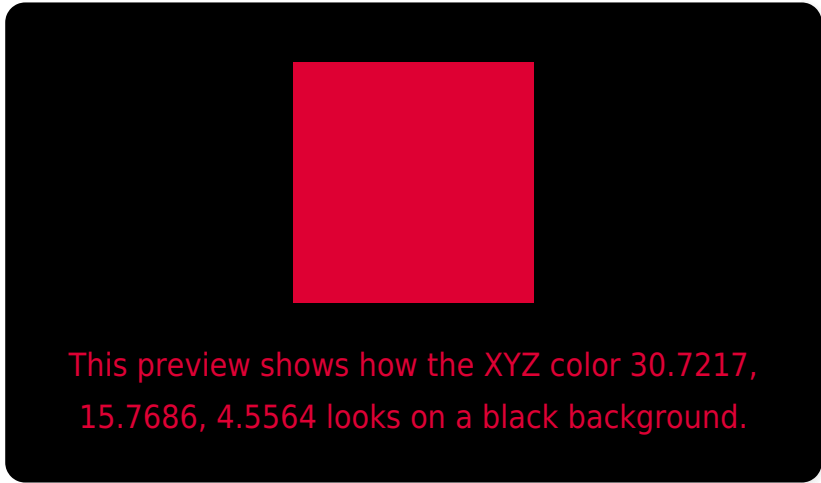
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.7217, 15.7686, 4.5564

Background



This preview shows how black text looks on a background with the XYZ color 30.7217, 15.7686, 4.5564.



This preview shows how white text looks on a background with the XYZ color 30.7217, 15.7686,

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

30.7217, 15.7686, 4.5564

Protanopia

15.3063, 16.4979, 9.5854

Deuteranopia

16.5761, 16.3117, 4.0251



Tritanopia

30.1474, 15.9326, 1.8030

Trichromacy



Original Color

30.7217, 15.7686, 4.5564

Protanomaly

17.4613, 12.3212, 6.9268

Deuteranomaly

19.0626, 12.8475, 3.6656

Tritanomaly

30.1492, 15.7346, 2.4253

Monochromacy



Original Color

30.7217, 15.7686, 4.5564

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 30.7217, 15.7686, 4.5564 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 51) }
```

Border

The CSS property to change the border of an element to XYZ 30.7217, 15.7686, 4.5564 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, 51) }
```


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

```
.border{ border-color:rgb(222, 0, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 51);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 51)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.7217, 15.7686, 4.5564 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, 51) }
```

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

```
.background{ background-color: rgb(222, 0,  
51) }
```

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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