

Converting Colors

XYZ(31.0056, 17.0811, 5.3146)

Have a look what the booklet for
XYZ(31.0056, 17.0811, 5.3146)
contains.

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Color

**XYZ(30.9977, 17.0774,
5.2769)**

Conversions

Conversions Part 1

Format	Color
Hex	DC2937
RGB	220, 41, 55
RGB Percent	86%, 16%, 22%
CMY	0.1373, 0.8391, 0.7843
CMYK	0.00, 0.81, 0.75, 0.14
HSL	355°, 72%, 51%
HSV	355°, 81%, 86%
XYZ	30.9977, 17.0774, 5.2769
YIQ	96.1170, 102.1900, 42.3020

Conversions

Conversions Part 2

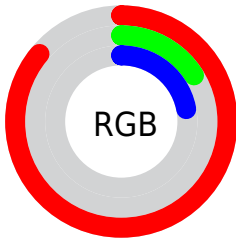
Format	Color
RYB	220, 41, 55
Decimal	14428471
CIELab	48.36, 66.76, 38.04
CIElCh	48, 76.841, 29.675
Yxy	17.0774, 0.5810, 0.3201
Android (android.graphics.Color)	4292618551 (0xFFDC2937)
YUV	96.1170, -20.2707, 108.6454
Hunter-Lab	41.3248, 61.5743, 21.3564

Details

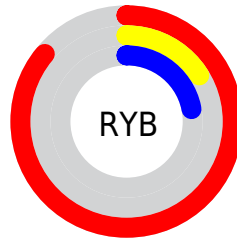
The XYZ color **30.9977, 17.0774, 5.2769** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **37.6507, 56.1148, 67.2500**, and the grayscale version is **11.1788, 11.7610, 12.8077**.

A 20% lighter version of the original color is **48.6898, 32.3225, 16.2430**, and **13.7829, 7.0970, 1.0242** is the 20% darker color. If you saturate the color by 10%, you get **30.0473, 15.8015, 3.0347**, and if you desaturate by 10%, it is **32.5731, 19.2843, 8.7127**.

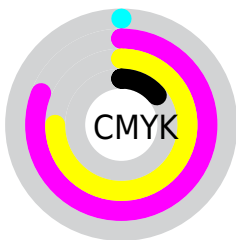
Distribution



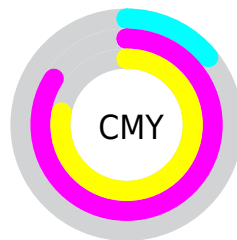
- Red (86%)
- Green (16%)
- Blue (22%)



- Red (86%)
- Yellow (16%)
- Blue (22%)



- Cyan (0%)
- Magenta (81%)
- Yellow (75%)
- Black (14%)





- Cyan (14%)
- Magenta (84%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9977, 17.0774, 5.2769 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 30.9977, 17.0774, 5.2769 by changing the saturation by 10% instead.


 30.9977, 17.0774,
5.2769


 30.9977, 17.0774,
5.2769


298.3548,
235.6180, 161.5075


 20.7489, 10.2897,
2.3491


 60.6123, 38.4588,
16.8615


 13.0520, 5.5915,
0.7585


 80.7089, 53.8213,
26.3553

 7.5416, 2.5983,
0.0000


 104.8187, 72.8108,
38.8748

 3.8524, 0.9258,
0.0000

 133.3072, 95.8118,
54.8386

 1.6190, 0.0000,
0.0000

 166.5397,
123.2086, 74.6653

 0.4047, 0.0000,
0.0000

 204.8816,

 0.0000, 0.0000,

155.3857, 98.7733

0.0000

248.6981,
192.7273, 127.5811

■ 30.9977, 17.0774,
5.2769

■ 30.9977, 17.0774,
5.2769

■ 30.0473, 15.8015,
3.0347

■ 32.5731, 19.2843,
8.7127


■ 29.6176, 15.2566,
1.9218


■ 34.8561, 22.5518,
13.4769


■ 37.9178, 26.9919,
19.6869


■ 41.8203, 32.7017,
27.4471

■ 46.6196, 39.7684,
36.8521

 52.3665, 48.2711,
47.9891

 59.1084, 58.2832,
60.9390

 66.8891, 69.8728,
75.7776

 75.7502, 83.1040,
92.5765

Harmonies

Analogous

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



33.8010, 17.0774, 18.8141



30.9977, 17.0774, 5.2769



24.0387, 17.0774, 1.2102

Triad

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



30.9977, 17.0774, 5.2769



7.1506, 17.0774, 5.1149



16.1553, 17.0774, 90.1490

Complementary

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



30.9977, 17.0774, 5.2769



37.6507, 56.1148, 67.2500

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.



10.3293, 17.0774, 75.8422



30.9977, 17.0774, 5.2769



6.1345, 17.0774, 18.3764

Square

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



30.9977, 17.0774, 5.2769



10.4275, 17.0774, 1.1751



7.1064, 17.0774, 45.0259



23.8672, 17.0774, 76.4022

Rectangle

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



30.9977, 17.0774, 5.2769



18.7710, 17.0774, 0.5438



7.1064, 17.0774, 45.0259



13.9321, 17.0774, 88.3709

Sweetspot

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



30.9981, 17.0784, 5.2771



70.7475, 63.8587, 62.3753



38.9117, 19.7455, 69.4699



14.5218, 12.7494, 12.1477



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.



30.9981, 17.0784, 5.2771



41.4668, 21.4393, 2.8512



36.1141, 27.7730, 5.5567



13.0971, 13.0679, 13.7727



17.3984, 8.9604, 1.2120



1.1419, 0.5864, 0.1560

Inverse Universe

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



30.9981, 17.0784, 5.2771



41.4668, 21.4393, 2.8512



24.0236, 26.0195, 71.4656



13.0971, 13.0679, 13.7727



17.3984, 8.9604, 1.2120



1.1419, 0.5864, 0.1560

Previews

White Background



This preview shows how the XYZ color 30.9977, 17.0774, 5.2769 looks on a white background.

Color Contrast Check

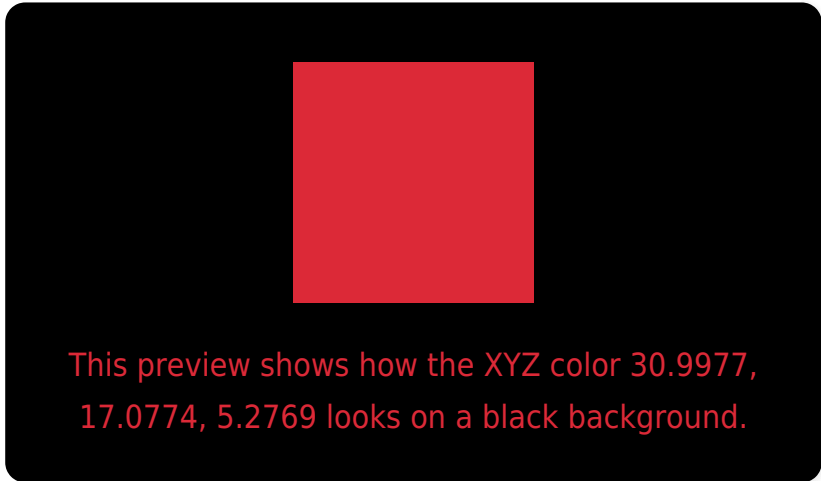
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.9977, 17.0774, 5.2769

Background



This preview shows how black text looks on a background with the XYZ color 30.9977, 17.0774, 5.2769.



This preview shows how white text looks on a background with the XYZ color 30.9977, 17.0774,

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

30.9977, 17.0774, 5.2769

Protanopia

16.0780, 17.4008, 9.7190

Deuteranopia

17.5136, 17.2556, 4.6931



Tritanopia

30.8151, 17.1178, 3.9654

Trichromacy



Original Color

30.9977, 17.0774, 5.2769

Protanomaly

19.1751, 15.0605, 7.6907

Deuteranomaly

20.7748, 15.4729, 4.5809

Tritanomaly

30.8563, 17.0768, 4.3592

Monochromacy



Original Color

30.9977, 17.0774, 5.2769

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

15.0541, 11.4257, 9.1965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9977, 17.0774, 5.2769 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(220, 41, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 41, 55) }
```

Border

The CSS property to change the border of an element to XYZ 30.9977, 17.0774, 5.2769 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, 55) }
```


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

```
.border{ border-color:rgb(220, 41, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 41, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 41, 55);  
box-shadow:4px 4px 4px 4px rgb(220, 41,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9977, 17.0774, 5.2769 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, 55) }
```

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

```
.background{ background-color: rgb(220, 41,  
55) }
```

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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