

Converting Colors

XYZ(27.4744, 14.1146, 3.4977)

Have a look what the booklet for
XYZ(27.4744, 14.1146, 3.4977)
contains.

XYZ(27.5693, 14.1642, 3.4714)	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(27.5693, 14.1642,
3.4714)**

Conversions

Conversions Part 1

Format	Color
Hex	D4002A
RGB	212, 0, 42
RGB Percent	83%, 0%, 16%
CMY	0.1686, 0.9998, 0.8353
CMYK	0.00, 1.00, 0.80, 0.17
HSL	348°, 100%, 42%
HSV	348°, 100%, 83%
XYZ	27.5693, 14.1642, 3.4714
YIQ	68.1760, 112.8700, 58.0060

Conversions

Conversions Part 2

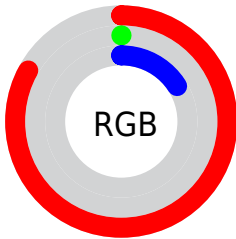
Format	Color
R_{YB}	212, 0, 42
Decimal	13893674
CIE Lab	44.47, 70.34, 40.84
CIE LCh	44, 81.337, 30.137
Yxy	14.1642, 0.6099, 0.3133
Android (android.graphics.Color)	4292083754 (0xFFD4002A)
YUV	68.1760, -12.9048, 126.1336
Hunter-Lab	37.6354, 64.8960, 20.8760

Details

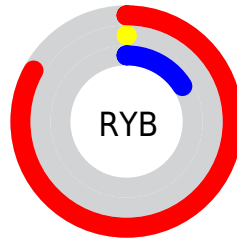
The XYZ color **27.5693, 14.1642, 3.4714** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **30.8038, 49.9909, 46.0778**, and the grayscale version is **5.5341, 5.8223, 6.3405**.

A 20% lighter version of the original color is **46.4912, 28.9440, 12.3689**, and **12.2127, 6.2959, 0.5715** is the 20% darker color. If you saturate the color by 10%, you get **27.5685, 14.1639, 3.4680**, and if you desaturate by 10%, it is **28.2134, 14.8581, 5.5191**.

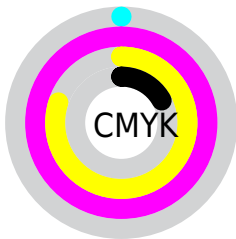
Distribution



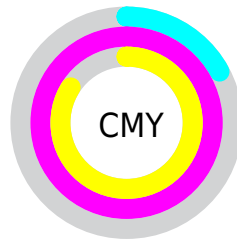
- Red (83%)
- Green (0%)
- Blue (16%)



- Red (83%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5693, 14.1642, 3.4714 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 27.5693, 14.1642, 3.4714 by changing the saturation by 10% instead.

 27.5693, 14.1642,
3.4714


 27.5693, 14.1642,
3.4714


282.5207,
218.2499, 142.1551


 18.1400, 8.2350,
1.3401


 55.2095, 33.3801,
12.7710


 11.1509, 4.2457,
0.0943


 74.1512, 47.4355,
20.7764

 6.2364, 1.8119,
0.0000


 96.9944, 64.9685,
31.5770

 3.0314, 0.4946,
0.0000

 124.1045, 86.3634,
45.5911

 1.1704, 0.0000,
0.0000

 155.8468,
112.0046, 63.2375

 0.0828, 0.0000,
0.0000

 192.5867,

 0.0000, 0.0000,

142.2765, 84.9346

0.0000

234.6895,
177.5635, 111.1010

■ 27.5693, 14.1642,
3.4714

■ 27.5693, 14.1642,
3.4714

■ 27.5685, 14.1639,
3.4680

■ 28.2134, 14.8581,
5.5191

■ 29.2998, 16.2065,
8.4227

■ 30.9409, 18.4144,
12.2820

■ 33.2028, 21.5957,
17.1744

■ 36.1418, 25.8471,
23.1689

■ 39.8079, 31.2533,
30.3286

■ 44.2462, 37.8907,
38.7114

■ 49.4982, 45.8289,
48.3716

■ 55.6021, 55.1324,
59.3599

Harmonies

Analogous

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



30.4089, 14.1642, 15.3363



27.5693, 14.1642, 3.4714



20.7642, 14.1642, 0.4287

Triad

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



27.5693, 14.1642, 3.4714



5.2236, 14.1642, 3.5270



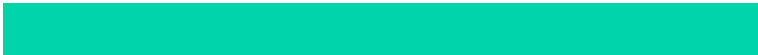
13.4928, 14.1642, 87.0039

Complementary

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



27.5693, 14.1642, 3.4714



30.8038, 49.9909, 46.0778

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.



8.1115, 14.1642, 72.6819



27.5693, 14.1642, 3.4714



4.3829, 14.1642, 15.5088

Square

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



27.5693, 14.1642, 3.4714



8.0743, 14.1642, 0.4423



5.2396, 14.1642, 41.5709



20.8339, 14.1642, 72.4397

Rectangle

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



27.5693, 14.1642, 3.4714



15.7391, 14.1642, 0.0000



5.2396, 14.1642, 41.5709



11.4170, 14.1642, 85.3244

Sweetspot

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



27.5696, 14.1651, 3.4716



66.9576, 57.1791, 58.3365



28.3771, 13.2569, 63.3501



13.6891, 11.2749, 11.2814



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.



27.5696, 14.1651, 3.4716



41.8260, 21.4944, 5.0161



28.9641, 17.6224, 1.8762



12.5227, 12.4606, 13.4270



17.0481, 8.7555, 2.2912



1.0580, 0.5400, 0.2949

Inverse Universe

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



27.5696, 14.1651, 3.4716



41.8260, 21.4944, 5.0161



22.5390, 26.0634, 66.1297



12.5227, 12.4606, 13.4270



17.0481, 8.7555, 2.2912



1.0580, 0.5400, 0.2949

Previews

White Background



This preview shows how the XYZ color 27.5693, 14.1642, 3.4714 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 27.5693, 14.1642, 3.4714 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 27.5693, 14.1642, 3.4714

Background



This preview shows how black text looks on a background with the XYZ color 27.5693, 14.1642, 3.4714.



This preview shows how white text looks on a background with the XYZ color 27.5693, 14.1642,

3.4714.

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

27.5693, 14.1642, 3.4714

Protanopia

13.5479, 14.6790, 7.1203

Deuteranopia

14.9295, 14.7282, 3.0332



Tritanopia

27.0968, 14.3146, 1.3348

Trichromacy



Original Color

27.5693, 14.1642, 3.4714

Protanomaly

15.7545, 11.1051, 5.1840

Deuteranomaly

17.2553, 11.6714, 2.7099

Tritanomaly

27.0817, 14.1463, 1.7551

Monochromacy



Original Color

27.5693, 14.1642, 3.4714

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.3990, 6.0366, 4.8075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5693, 14.1642, 3.4714 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(212, 0, 42)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 42)  
}
```

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(212, 0, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 42) }
```

Border

The CSS property to change the border of an element to XYZ 27.5693, 14.1642, 3.4714 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(212, 0, 42) }
```


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

```
.border{ border-color:rgb(212, 0, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 42);  
box-shadow:4px 4px 4px 4px rgb(212, 0, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.5693, 14.1642, 3.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 42) }
```

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

```
.background{ background-color: rgb(212, 0,  
42) }
```

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