

Converting Colors

XYZ(27.5452, 14.1439, 3.8668)

Have a look what the booklet for
XYZ(27.5452, 14.1439, 3.8668)
contains.

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Color

**XYZ(27.6445, 14.1943,
3.8675)**

Conversions

Conversions Part 1

Format	Color
Hex	D4002E
RGB	212, 0, 46
RGB Percent	83%, 0%, 18%
CMY	0.1686, 0.9998, 0.8196
CMYK	0.00, 1.00, 0.78, 0.17
HSL	347°, 100%, 42%
HSV	347°, 100%, 83%
XYZ	27.6445, 14.1943, 3.8675
YIQ	68.6320, 111.5860, 59.2500

Conversions

Conversions Part 2

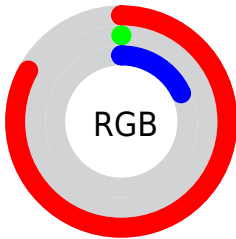
Format	Color
RYB	212, 0, 46
Decimal	13893678
CIELab	44.51, 70.46, 38.58
CIELCh	45, 80.331, 28.706
Yxy	14.1943, 0.6048, 0.3106
Android (android.graphics.Color)	4292083758 (0xFFD4002E)
YUV	68.6320, -11.1576, 125.7337
Hunter-Lab	37.6753, 65.0437, 20.2864

Details

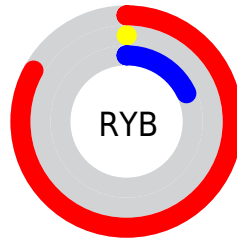
The XYZ color **27.6445, 14.1943, 3.8675** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **30.4310, 49.8417, 44.1149**, and the grayscale version is **5.6055, 5.8975, 6.4223**.

A 20% lighter version of the original color is **46.6615, 29.0122, 13.2658**, and **12.2182, 6.2981, 0.6004** is the 20% darker color. If you saturate the color by 10%, you get **27.6436, 14.1939, 3.8637**, and if you desaturate by 10%, it is **28.3100, 14.8968, 6.0280**.

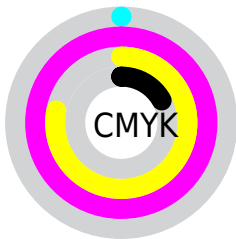
Distribution



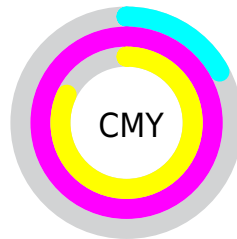
- Red (83%)
- Green (0%)
- Blue (18%)



- Red (83%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6445, 14.1943, 3.8675 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 27.6445, 14.1943, 3.8675 by changing the saturation by 10% instead.


 27.6445, 14.1943,
3.8675


 27.6445, 14.1943,
3.8675


282.8753,
218.4362, 146.7411


 18.1969, 8.2559,
1.5529


 55.3290, 33.4334,
13.7030


 11.1920, 4.2591,
0.2569


 74.2966, 47.5029,
22.0610

 6.2644, 1.8196,
0.0000


 97.1683, 65.0516,
33.2706

 3.0487, 0.4993,
0.0000

 124.3094, 86.4638,
47.7503

 1.1796, 0.0000,
0.0000

 156.0853,
112.1240, 65.9187

 0.0901, 0.0000,
0.0000

 192.8614,

 0.0000, 0.0000,

142.4165, 88.1942

0.0000

235.0029,
177.7258, 114.9955

■ 27.6445, 14.1943,
3.8675

■ 27.6445, 14.1943,
3.8675

■ 27.6436, 14.1939,
3.8637

■ 28.3100, 14.8968,
6.0280

■ 29.4139, 16.2522,
9.0235

■ 31.0673, 18.4650,
12.9474

■ 33.3353, 21.6489,
17.8722

■ 36.2736, 25.9000,
23.8625

■ 39.9313, 31.3029,
30.9775

■ 44.3528, 37.9336,
39.2717

■ 49.5790, 45.8616,
48.7961

■ 55.6476, 55.1511,
59.5986

Harmonies

Analogous

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



30.1851, 14.1943, 16.2755



27.6445, 14.1943, 3.8675



21.0575, 14.1943, 0.5661

Triad

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



27.6445, 14.1943, 3.8675



5.3967, 14.1943, 3.3391



13.2117, 14.1943, 85.6725

Complementary

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



27.6445, 14.1943, 3.8675



30.4310, 49.8417, 44.1149

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.



7.9968, 14.1943, 70.4370



27.6445, 14.1943, 3.8675



4.4723, 14.1943, 14.6629

Square

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



27.6445, 14.1943, 3.8675



8.3458, 14.1943, 0.4393



5.2453, 14.1943, 39.7266



20.4082, 14.1943, 72.6764

Rectangle

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



27.6445, 14.1943, 3.8675



16.0828, 14.1943, 0.0000



5.2453, 14.1943, 39.7266



11.1942, 14.1943, 83.5533

Sweetspot

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



27.6448, 14.1952, 3.8677



67.1201, 57.2442, 59.1924



26.8950, 12.4929, 63.2807



13.7265, 11.2898, 11.4784



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.



27.6448, 14.1952, 3.8677



41.9365, 21.5386, 5.5976



28.5932, 16.8807, 1.7526



12.5324, 12.4644, 13.4777



17.0965, 8.7749, 2.5464



1.0625, 0.5418, 0.3185

Inverse Universe

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



27.6448, 14.1952, 3.8677



41.9365, 21.5386, 5.5976



23.6853, 28.3560, 66.5118



12.5324, 12.4644, 13.4777



17.0965, 8.7749, 2.5464



1.0625, 0.5418, 0.3185

Previews

White Background



This preview shows how the XYZ color 27.6445, 14.1943, 3.8675 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 27.6445, 14.1943, 3.8675 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 27.6445, 14.1943, 3.8675

Background



This preview shows how black text looks on a background with the XYZ color 27.6445, 14.1943, 3.8675.



This preview shows how white text looks on a background with the XYZ color 27.6445, 14.1943,

3.8675.

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

27.6445, 14.1943, 3.8675

Protanopia

13.6993, 14.7395, 7.9173

Deuteranopia

15.0038, 14.7579, 3.4243



Tritanopia

27.1352, 14.3300, 1.5368

Trichromacy



Original Color

27.6445, 14.1943, 3.8675

Protanomaly

15.8583, 11.1466, 5.7306

Deuteranomaly

17.3285, 11.7007, 3.0954

Tritanomaly

27.1308, 14.1660, 2.0138

Monochromacy



Original Color

27.6445, 14.1943, 3.8675

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

9.6281, 6.2032, 5.1048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6445, 14.1943, 3.8675 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 46) }
```

Border

The CSS property to change the border of an element to XYZ 27.6445, 14.1943, 3.8675 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, 46) }
```


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

```
.border{ border-color:rgb(212, 0, 46) }
```

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, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 46);  
box-shadow:4px 4px 4px 4px rgb(212, 0, 46)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.6445, 14.1943, 3.8675 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, 46) }
```

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

```
.background{ background-color: rgb(212, 0,  
46) }
```

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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