

Converting Colors

XYZ(27.7743, 14.2346, 5.0772)

Have a look what the booklet for
XYZ(27.7743, 14.2346, 5.0772)
contains.

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Color

**XYZ(27.8652, 14.2826,
5.0295)**

Conversions

Conversions Part 1

Format	Color
Hex	D40038
RGB	212, 0, 56
RGB Percent	83%, 0%, 22%
CMY	0.1686, 0.9998, 0.7804
CMYK	0.00, 1.00, 0.74, 0.17
HSL	344°, 100%, 42%
HSV	344°, 100%, 83%
XYZ	27.8652, 14.2826, 5.0295
YIQ	69.7720, 108.3760, 62.3600

Conversions

Conversions Part 2

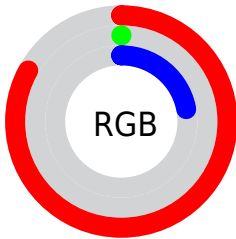
Format	Color
RYB	212, 0, 56
Decimal	13893688
CIELab	44.64, 70.80, 32.78
CIELCh	45, 78.020, 24.847
Yxy	14.2826, 0.5906, 0.3027
Android (android.graphics.Color)	4292083768 (0xFFD40038)
YUV	69.7720, -6.7896, 124.7340
Hunter-Lab	37.7923, 65.4758, 18.5642

Details

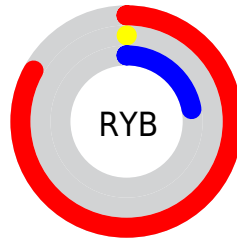
The XYZ color **27.8652, 14.2826, 5.0295** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **29.5486, 49.4888, 39.4681**, and the grayscale version is **5.7862, 6.0875, 6.6293**.

A 20% lighter version of the original color is **47.1779, 29.2187, 15.9852**, and **12.2990, 6.3304, 1.0256** is the 20% darker color. If you saturate the color by 10%, you get **27.8642, 14.2821, 5.0250**, and if you desaturate by 10%, it is **28.5807, 15.0051, 7.4532**.

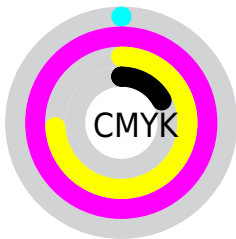
Distribution



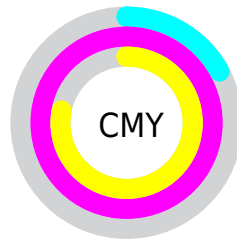
- Red (83%)
- Green (0%)
- Blue (22%)



- Red (83%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (17%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8652, 14.2826, 5.0295 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 27.8652, 14.2826, 5.0295 by changing the saturation by 10% instead.


 27.8652, 14.2826,
5.0295


 27.8652, 14.2826,
5.0295


283.9140,
218.9819, 159.0604


 18.3640, 8.3175,
2.2055


 55.6793, 33.5896,
16.3220


 11.3129, 4.2988,
0.6776


 74.7229, 47.7003,
25.6276

 6.3466, 1.8421,
0.0000


 97.6781, 65.2950,
37.9308

 3.0996, 0.5132,
0.0000

 124.9101, 86.7580,
53.6502

 1.2066, 0.0000,
0.0000

 156.7843,
112.4739, 73.2044

 0.1116, 0.0000,
0.0000

 193.6662,

 0.0000, 0.0000,

142.8268, 97.0117

0.0000

235.9209,
178.2014, 125.4909

■ 27.8652, 14.2826,
5.0295

■ 27.8652, 14.2826,
5.0295

■ 27.8642, 14.2821,
5.0250

■ 28.5807, 15.0051,
7.4532

■ 29.7239, 16.3763,
10.6555

■ 31.4034, 18.5995,
14.7170

■ 33.6823, 21.7877,
19.6989

■ 36.6143, 26.0364,
25.6562

■ 40.2470, 31.4293,
32.6394

■ 44.6233, 38.0420,
40.6952

■ 49.7826, 45.9432,
49.8673

■ 55.7615, 55.1969,
60.1971

Harmonies

Analogous

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



29.6398, 14.2826, 18.8928



27.8652, 14.2826, 5.0295



21.8468, 14.2826, 0.9206

Triad

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



27.8652, 14.2826, 5.0295



5.8639, 14.2826, 2.8848



12.5123, 14.2826, 82.3877

Complementary

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



27.8652, 14.2826, 5.0295



29.5486, 49.4888, 39.4681

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.



7.7097, 14.2826, 64.9215



27.8652, 14.2826, 5.0295



4.7102, 14.2826, 12.6291

Square

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



27.8652, 14.2826, 5.0295



9.0808, 14.2826, 0.4307



5.2618, 14.2826, 35.2487



19.3511, 14.2826, 73.3715

Rectangle

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



27.8652, 14.2826, 5.0295



17.0075, 14.2826, 0.1154



5.2618, 14.2826, 35.2487



10.6388, 14.2826, 79.1791

Sweetspot

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



27.8655, 14.2835, 5.0297



67.5335, 57.4095, 61.3691



25.4937, 11.7705, 63.2152



13.8220, 11.3280, 11.9813



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.



27.8655, 14.2835, 5.0297



42.2627, 21.6691, 7.3152



28.2709, 16.2360, 1.6452



12.5565, 12.4741, 13.6049



17.2376, 8.8313, 3.2891



1.0740, 0.5464, 0.3791

Inverse Universe

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



27.8655, 14.2835, 5.0297



42.2627, 21.6691, 7.3152



24.9005, 30.7864, 66.9169



12.5565, 12.4741, 13.6049



17.2376, 8.8313, 3.2891



1.0740, 0.5464, 0.3791

Previews

White Background



This preview shows how the XYZ color 27.8652, 14.2826, 5.0295 looks on a white background.

Color Contrast Check

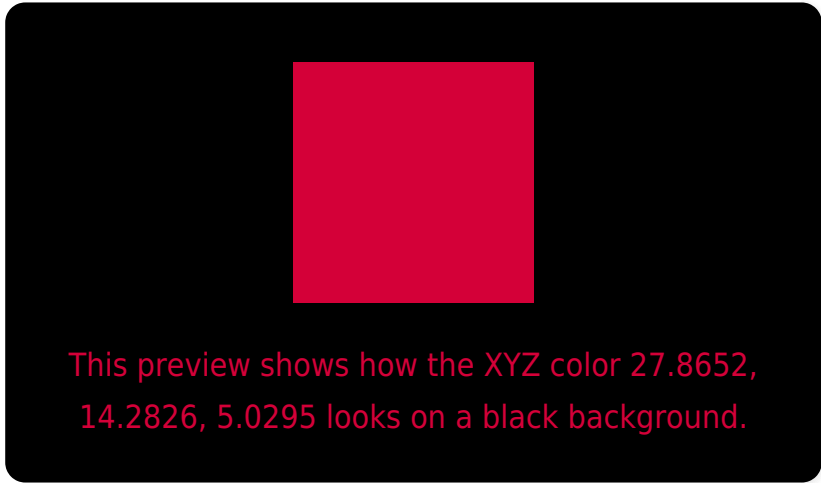
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8652, 14.2826, 5.0295

Background



This preview shows how black text looks on a background with the XYZ color 27.8652, 14.2826, 5.0295.



This preview shows how white text looks on a background with the XYZ color 27.8652, 14.2826,

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

27.8652, 14.2826, 5.0295

Protanopia

14.0330, 15.0101, 10.5451

Deuteranopia

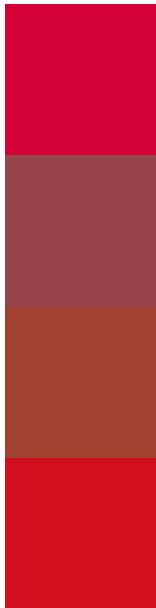
15.0565, 14.7605, 4.5381



Tritanopia

27.2639, 14.4991, 1.8518

Trichromacy



Original Color

27.8652, 14.2826, 5.0295

Protanomaly

15.9418, 11.2347, 7.8068

Deuteranomaly

17.3450, 11.6837, 4.2467

Tritanomaly

27.2821, 14.2895, 2.6165

Monochromacy



Original Color

27.8652, 14.2826, 5.0295

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

9.9186, 6.3960, 5.7128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8652, 14.2826, 5.0295 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 56) }
```

Border

The CSS property to change the border of an element to XYZ 27.8652, 14.2826, 5.0295 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, 56) }
```


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

```
.border{ border-color:rgb(212, 0, 56) }
```

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, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 56);  
box-shadow:4px 4px 4px 4px rgb(212, 0, 56)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.8652, 14.2826, 5.0295 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, 56) }
```

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

```
.background{ background-color: rgb(212, 0,  
56) }
```

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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