

Converting Colors

XYZ(28.0718, 14.3536, 6.6434)

Have a look what the booklet for
XYZ(28.0718, 14.3536, 6.6434)
contains.

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Color

**XYZ(28.1645, 14.4023,
6.6057)**

Conversions

Conversions Part 1

Format	Color
Hex	D40043
RGB	212, 0, 67
RGB Percent	83%, 0%, 26%
CMY	0.1686, 0.9998, 0.7373
CMYK	0.00, 1.00, 0.68, 0.17
HSL	341°, 100%, 42%
HSV	341°, 100%, 83%
XYZ	28.1645, 14.4023, 6.6057
YIQ	71.0260, 104.8450, 65.7810

Conversions

Conversions Part 2

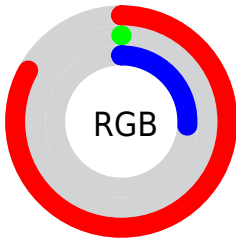
Format	Color
RYB	212, 0, 67
Decimal	13893699
CIELab	44.80, 71.25, 26.25
CIELCh	45, 75.936, 20.222
Yxy	14.4023, 0.5728, 0.2929
Android (android.graphics.Color)	4292083779 (0xFFD40043)
YUV	71.0260, -1.9848, 123.6342
Hunter-Lab	37.9504, 66.0589, 16.2451

Details

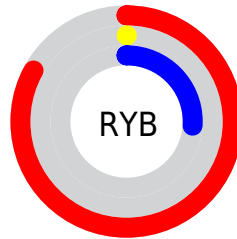
The XYZ color **28.1645, 14.4023, 6.6057** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **28.6582, 49.1327, 34.7792**, and the grayscale version is **5.9886, 6.3004, 6.8612**.

A 20% lighter version of the original color is **47.8242, 29.4773, 19.3887**, and **12.5699, 6.4597, 1.5041** is the 20% darker color. If you saturate the color by 10%, you get **28.1634, 14.4018, 6.6008**, and if you desaturate by 10%, it is **28.9281, 15.1440, 9.2823**.

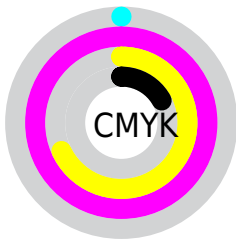
Distribution



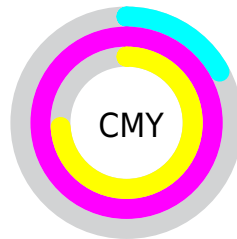
- Red (83%)
- Green (0%)
- Blue (26%)



- Red (83%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (68%)
- Black (17%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1645, 14.4023, 6.6057 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 28.1645, 14.4023, 6.6057 by changing the saturation by 10% instead.

 28.1645, 14.4023,
6.6057


 28.1645, 14.4023,
6.6057


285.3180,
219.7194, 173.8506


 18.5908, 8.4010,
3.1421


 56.1538, 33.8012,
19.6747


 11.4772, 4.3526,
1.1676


 75.3000, 47.9675,
30.1171

 6.4584, 1.8727,
0.0000


 98.3679, 65.6243,
43.7228

 3.1691, 0.5319,
0.0000

 125.7226, 87.1560,
60.9105

 1.2438, 0.0000,
0.0000

 157.7297,
112.9470, 82.0985

 0.1405, 0.0000,
0.0000

 194.7543,

 0.0000, 0.0000,

143.3816, 107.7055

0.0000

237.1620,
178.8443, 138.1501

■ 28.1645, 14.4023,
6.6057

■ 28.1645, 14.4023,
6.6057

■ 28.1634, 14.4018,
6.6008

■ 28.9281, 15.1440,
9.2823

■ 30.1067, 16.5293,
12.6716

■ 31.8070, 18.7608,
16.8425

■ 34.0900, 21.9506,
21.8464

■ 37.0079, 26.1936,
27.7294

■ 40.6066, 31.5729,
34.5339

■ 44.9277, 38.1634,
42.2994

■ 50.0093, 46.0335,
51.0628

■ 55.8869, 55.2465,
60.8589

Harmonies

Analogous

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



29.0812, 14.4023, 22.2096



28.1645, 14.4023, 6.6057



22.8001, 14.4023, 1.3663

Triad

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



28.1645, 14.4023, 6.6057



6.4296, 14.4023, 2.4225



11.7661, 14.4023, 78.9372

Complementary

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



28.1645, 14.4023, 6.6057



28.6582, 49.1327, 34.7792

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.



7.4002, 14.4023, 59.1543



28.1645, 14.4023, 6.6057



4.9927, 14.4023, 10.5774

Square

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



28.1645, 14.4023, 6.6057



9.9742, 14.4023, 0.4191



5.2843, 14.4023, 30.6560



18.2275, 14.4023, 74.3147

Rectangle

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



28.1645, 14.4023, 6.6057



18.1226, 14.4023, 0.4050



5.2843, 14.4023, 30.6560



10.0447, 14.4023, 74.5703

Sweetspot

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



28.1648, 14.4032, 6.6059



67.9998, 57.5960, 63.8245



23.5401, 10.7633, 63.1238



13.9302, 11.3713, 12.5510



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.



28.1648, 14.4032, 6.6059



42.7085, 21.8474, 9.6629



27.8738, 15.4418, 1.5128



12.5833, 12.4848, 13.7457



17.4271, 8.9072, 4.2871



1.0882, 0.5521, 0.4539

Inverse Universe

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



28.1648, 14.4032, 6.6059



42.7085, 21.8474, 9.6629



26.8548, 34.6951, 67.5684



12.5833, 12.4848, 13.7457



17.4271, 8.9072, 4.2871



1.0882, 0.5521, 0.4539

Previews

White Background



This preview shows how the XYZ color 28.1645, 14.4023, 6.6057 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 28.1645, 14.4023, 6.6057 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 28.1645, 14.4023, 6.6057

Background



This preview shows how black text looks on a background with the XYZ color 28.1645, 14.4023, 6.6057.



This preview shows how white text looks on a background with the XYZ color 28.1645, 14.4023,

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

28.1645, 14.4023, 6.6057

Protanopia

14.2968, 15.0707, 13.9598

Deuteranopia

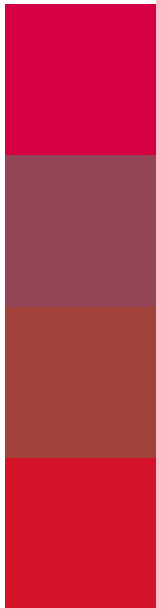
15.2616, 14.9824, 5.9584



Tritanopia

27.4106, 14.6946, 2.2023

Trichromacy



Original Color

28.1645, 14.4023, 6.6057

Protanomaly

16.0612, 11.2403, 10.3399

Deuteranomaly

17.6908, 11.9147, 5.7822

Tritanomaly

27.4306, 14.3963, 3.2525

Monochromacy



Original Color

28.1645, 14.4023, 6.6057

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.0699, 6.4565, 6.5098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1645, 14.4023, 6.6057 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 67) }
```

Border

The CSS property to change the border of an element to XYZ 28.1645, 14.4023, 6.6057 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, 67) }
```


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

```
.border{ border-color:rgb(212, 0, 67) }
```

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, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(212, 0, 67)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.1645, 14.4023, 6.6057 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, 67) }
```

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

```
.background{ background-color: rgb(212, 0,  
67) }
```

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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