

Converting Colors

XYZ(28.2376, 14.5053, 3.6579)

Have a look what the booklet for
XYZ(28.2376, 14.5053, 3.6579)
contains.

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Color

**XYZ(28.1862, 14.4780,
3.6918)**

Conversions

Conversions Part 1

Format	Color
Hex	D6002C
RGB	214, 0, 44
RGB Percent	84%, 0%, 17%
CMY	0.1608, 0.9998, 0.8275
CMYK	0.00, 1.00, 0.79, 0.16
HSL	348°, 100%, 42%
HSV	348°, 100%, 84%
XYZ	28.1862, 14.4780, 3.6918
YIQ	69.0020, 113.4200, 59.0520

Conversions

Conversions Part 2

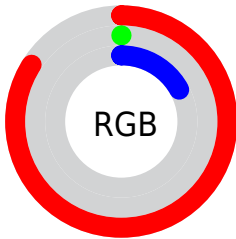
Format	Color
RYB	214, 0, 44
Decimal	14024748
CIELab	44.91, 70.88, 40.29
CIELCh	45, 81.531, 29.612
Yxy	14.4780, 0.6080, 0.3123
Android (android.graphics.Color)	4292214828 (0xFFD6002C)
YUV	69.0020, -12.3260, 127.1632
Hunter-Lab	38.0500, 65.6397, 20.8824

Details

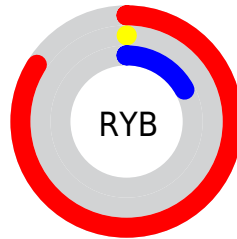
The XYZ color **28.1862, 14.4780, 3.6918** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **31.3071, 50.9972, 46.2467**, and the grayscale version is **5.6676, 5.9628, 6.4935**.

A 20% lighter version of the original color is **46.5752, 28.9776, 12.8113**, and **12.5777, 6.4840, 0.5886** is the 20% darker color. If you saturate the color by 10%, you get **28.1853, 14.4776, 3.6881**, and if you desaturate by 10%, it is **28.8502, 15.1859, 5.8260**.

Distribution



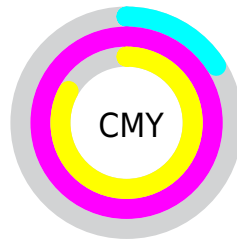
- Red (84%)
- Green (0%)
- Blue (17%)



- Red (84%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1862, 14.4780, 3.6918 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 28.1862, 14.4780, 3.6918 by changing the saturation by 10% instead.


 28.1862, 14.4780,
3.6918


 28.1862, 14.4780,
3.6918

285.4196,
220.1846, 144.7355


 18.6072, 8.4539,
1.4578


 56.1881, 33.9348,
13.2925


 11.4891, 4.3867,
0.1862


 75.3418, 48.1362,
21.4963

 6.4666, 1.8922,
0.0000


 98.4178, 65.8323,
32.5271

 3.1741, 0.5437,
0.0000

 125.7815, 87.4072,
46.8035

 1.2465, 0.0000,
0.0000

 157.7981,
113.2455, 64.7440

 0.1426, 0.0000,
0.0000

 194.8331,

 0.0000, 0.0000,

143.7316, 86.7671

0.0000

237.2518,
179.2498, 113.2915

■ 28.1862, 14.4780,
3.6918

■ 28.1862, 14.4780,
3.6918

■ 28.1853, 14.4776,
3.6881

■ 28.8502, 15.1859,
5.8260

■ 29.9651, 16.5629,
8.8267

■ 31.6448, 18.8172,
12.7933

■ 33.9565, 22.0656,
17.8029

■ 36.9576, 26.4067,
23.9244

■ 40.6990, 31.9272,
31.2207

■ 45.2265, 38.7051,
39.7496

■ 50.5822, 46.8117,
49.5654

■ 56.8052, 56.3127,
60.7188

Harmonies

Analogous

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



30.9734, 14.4780, 16.0141



28.1862, 14.4780, 3.6918



21.3179, 14.4780, 0.4966

Triad

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



28.1862, 14.4780, 3.6918



5.4001, 14.4780, 3.5305



13.6742, 14.4780, 88.3561

Complementary

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



28.1862, 14.4780, 3.6918



31.3071, 50.9972, 46.2467

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.



8.2413, 14.4780, 73.3795



28.1862, 14.4780, 3.6918



4.5102, 14.4780, 15.5167

Square

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



28.1862, 14.4780, 3.6918



8.3486, 14.4780, 0.4580



5.3537, 14.4780, 41.7550



21.1172, 14.4780, 74.0751

Rectangle

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



28.1862, 14.4780, 3.6918



16.2044, 14.4780, 0.0000



5.3537, 14.4780, 41.7550



11.5763, 14.4780, 86.4734

Sweetspot

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



28.1865, 14.4789, 3.6920



67.0219, 57.2049, 58.6752



28.2106, 13.1417, 64.6677



13.7039, 11.2808, 11.3593



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.



28.1865, 14.4789, 3.6920



41.8686, 21.5114, 5.2399



29.3827, 17.5982, 1.8495



12.5266, 12.4621, 13.4471



17.0668, 8.7630, 2.3897



1.0598, 0.5407, 0.3042

Inverse Universe

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



28.1865, 14.4789, 3.6920



41.8686, 21.5114, 5.2399



23.5916, 27.7622, 67.7332



12.5266, 12.4621, 13.4471



17.0668, 8.7630, 2.3897



1.0598, 0.5407, 0.3042

Previews

White Background



This preview shows how the XYZ color 28.1862, 14.4780, 3.6918 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 28.1862, 14.4780, 3.6918

Background



This preview shows how black text looks on a background with the XYZ color 28.1862, 14.4780, 3.6918.



This preview shows how white text looks on a background with the XYZ color 28.1862, 14.4780,

3.6918.

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

28.1862, 14.4780, 3.6918

Protanopia

13.8772, 14.9940, 7.6316

Deuteranopia

15.2254, 15.0234, 3.2597



Tritanopia

27.9644, 14.7619, 1.3754

Trichromacy



Original Color

28.1862, 14.4780, 3.6918

Protanomaly

16.0544, 11.3443, 5.4812

Deuteranomaly

17.5468, 11.9044, 2.8863

Tritanomaly

27.9566, 14.5965, 1.8341

Monochromacy



Original Color

28.1862, 14.4780, 3.6918

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

9.7423, 6.2652, 4.9708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1862, 14.4780, 3.6918 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(214, 0, 44)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 44)  
}
```

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(214, 0, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 44) }
```

Border

The CSS property to change the border of an element to XYZ 28.1862, 14.4780, 3.6918 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(214, 0, 44) }
```


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

```
.border{ border-color:rgb(214, 0, 44) }
```

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

Here you see how a box with a 4 pixel rgb(214, 0, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 44);  
box-shadow:4px 4px 4px 4px rgb(214, 0, 44)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.1862, 14.4780, 3.6918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 44) }
```

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

```
.background{ background-color: rgb(214, 0,  
44) }
```

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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