

Converting Colors

XYZ(28.9724, 14.8860, 3.6073)

Have a look what the booklet for
XYZ(28.9724, 14.8860, 3.6073)
contains.

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Color

**XYZ(29.0513, 14.9261,
3.6354)**

Conversions

Conversions Part 1

Format	Color
Hex	D9002B
RGB	217, 0, 43
RGB Percent	85%, 0%, 17%
CMY	0.1490, 0.9998, 0.8314
CMYK	0.00, 1.00, 0.80, 0.15
HSL	348°, 100%, 43%
HSV	348°, 100%, 85%
XYZ	29.0513, 14.9261, 3.6354
YIQ	69.7850, 115.5290, 59.3770

Conversions

Conversions Part 2

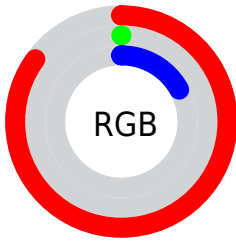
Format	Color
R_{YB}	217, 0, 43
Decimal	14221355
CIE Lab	45.53, 71.58, 41.69
CIE LCh	46, 82.834, 30.218
Yxy	14.9261, 0.6102, 0.3135
Android (android.graphics.Color)	4292411435 (0xFFD9002B)
YUV	69.7850, -13.2050, 129.1076
Hunter-Lab	38.6343, 66.6141, 21.4650

Details

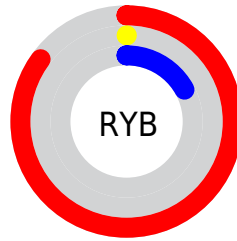
The XYZ color **29.0513, 14.9261, 3.6354** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **32.4577, 52.6834, 48.5261**, and the grayscale version is **5.7978, 6.0998, 6.6427**.

A 20% lighter version of the original color is **46.6156, 29.1260, 12.6162**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **29.0504, 14.9257, 3.6317**, and if you desaturate by 10%, it is **29.7235, 15.6463, 5.7847**.

Distribution



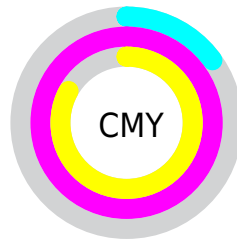
- Red (85%)
- Green (0%)
- Blue (17%)



- Red (85%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0513, 14.9261, 3.6354 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 29.0513, 14.9261, 3.6354 by changing the saturation by 10% instead.

 29.0513, 14.9261,
3.6354


 29.0513, 14.9261,
3.6354


289.4468,
222.9185, 144.0823


 19.2641, 8.7675,
1.4275


 57.5556, 34.7235,
13.1598


 11.9664, 4.5899,
0.1631


 77.0034, 49.1311,
21.3133


 6.7928, 2.0087,
0.0000


 100.4021, 67.0572,
32.2859

 3.3781, 0.6125,
0.0000

 128.1171, 88.8861,
46.4960

 1.3567, 0.0000,
0.0000

 160.5137,
115.0023, 64.3621

 0.2251, 0.0000,
0.0000

 197.9572,

 0.0000, 0.0000,

145.7902, 86.3028

0.0000

240.8132,
181.6341, 112.7367

■ 29.0513, 14.9261,
3.6354

■ 29.0513, 14.9261,
3.6354

■ 29.0504, 14.9257,
3.6317

■ 29.7235, 15.6463,
5.7847

■ 30.8636, 17.0594,
8.8378

■ 32.5890, 19.3792,
12.9000

■ 34.9699, 22.7269,
18.0531

■ 38.0660, 27.2047,
24.3706

■ 41.9303, 32.9026,
31.9189

■ 46.6104, 39.9012,
40.7596

■ 52.1503, 48.2744,
50.9500

■ 58.5905, 58.0905,
62.5439

Harmonies

Analogous

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



32.0622, 14.9261, 16.1074



29.0513, 14.9261, 3.6354



21.8661, 14.9261, 0.4622

Triad

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



29.0513, 14.9261, 3.6354



5.4948, 14.9261, 3.7288



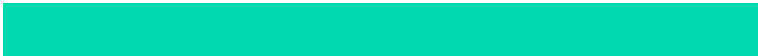
14.2375, 14.9261, 91.7767

Complementary

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



29.0513, 14.9261, 3.6354



32.4577, 52.6834, 48.5261

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.



8.5559, 14.9261, 76.7390



29.0513, 14.9261, 3.6354



4.6139, 14.9261, 16.3974

Square

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



29.0513, 14.9261, 3.6354



8.4934, 14.9261, 0.4843



5.5218, 14.9261, 43.9263



21.9833, 14.9261, 76.3315

Rectangle

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



29.0513, 14.9261, 3.6354



16.5670, 14.9261, 0.0000



5.5218, 14.9261, 43.9263



12.0463, 14.9261, 90.0338

Sweetspot

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



29.0516, 14.9271, 3.6356



66.9579, 57.1793, 58.3383



29.8933, 13.9646, 66.7650



13.6891, 11.2749, 11.2818



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.



29.0516, 14.9271, 3.6356



41.8263, 21.4945, 5.0173



30.5133, 18.5476, 1.9732



13.1609, 13.0935, 14.1086



17.6157, 9.0473, 2.3564



1.1720, 0.5984, 0.3147

Inverse Universe

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



29.0516, 14.9271, 3.6356



41.8263, 21.4945, 5.0173



23.7391, 27.4385, 69.6901



13.1609, 13.0935, 14.1086



17.6157, 9.0473, 2.3564



1.1720, 0.5984, 0.3147

Previews

White Background



This preview shows how the XYZ color 29.0513, 14.9261, 3.6354 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 29.0513, 14.9261, 3.6354 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 29.0513, 14.9261, 3.6354

Background



This preview shows how black text looks on a background with the XYZ color 29.0513, 14.9261, 3.6354.



This preview shows how white text looks on a background with the XYZ color 29.0513, 14.9261,

3.6354.

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

29.0513, 14.9261, 3.6354

Protanopia

14.3348, 15.5502, 7.5562

Deuteranopia

15.6294, 15.3830, 3.1824



Tritanopia

28.5518, 15.0647, 1.4029

Trichromacy



Original Color

29.0513, 14.9261, 3.6354

Protanomaly

16.4714, 11.6544, 5.3844

Deuteranomaly

18.1591, 12.2217, 2.8408

Tritanomaly

28.5439, 14.8993, 1.8616

Monochromacy



Original Color

29.0513, 14.9261, 3.6354

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

9.9224, 6.4140, 4.9900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0513, 14.9261, 3.6354 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(217, 0, 43)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 43)  
}
```

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(217, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 43) }
```

Border

The CSS property to change the border of an element to XYZ 29.0513, 14.9261, 3.6354 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(217, 0, 43) }
```


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

```
.border{ border-color:rgb(217, 0, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 0, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.0513, 14.9261, 3.6354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 43) }
```

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

```
.background{ background-color: rgb(217, 0,  
43) }
```

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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