

Converting Colors

XYZ(29.9375, 15.3601, 4.7087)

Have a look what the booklet for
XYZ(29.9375, 15.3601, 4.7087)
contains.

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Color

**XYZ(29.8560, 15.3171,
4.7511)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0035
RGB	219, 0, 53
RGB Percent	86%, 0%, 21%
CMY	0.1412, 0.9998, 0.7922
CMYK	0.00, 1.00, 0.76, 0.14
HSL	345°, 100%, 43%
HSV	345°, 100%, 86%
XYZ	29.8560, 15.3171, 4.7511
YIQ	71.5230, 113.5110, 62.9110

Conversions

Conversions Part 2

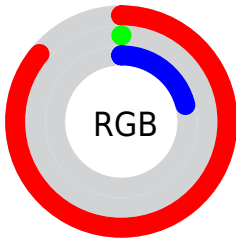
Format	Color
RYB	219, 0, 53
Decimal	14352437
CIELab	46.07, 72.36, 36.60
CIElCh	46, 81.092, 26.828
Yxy	15.3171, 0.5980, 0.3068
Android (android.graphics.Color)	4292542517 (0xFFDB0035)
YUV	71.5230, -9.1318, 129.3373
Hunter-Lab	39.1371, 67.6802, 20.1984

Details

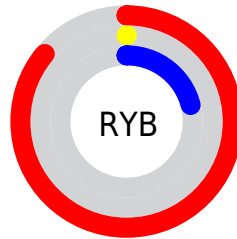
The XYZ color **29.8560, 15.3171, 4.7511** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **32.2193, 53.4179, 44.7122**, and the grayscale version is **6.0841, 6.4009, 6.9706**.

A 20% lighter version of the original color is **47.1126, 29.3249, 15.2337**, and **13.5780, 6.9927, 0.9507** is the 20% darker color. If you saturate the color by 10%, you get **29.8549, 15.3166, 4.7466**, and if you desaturate by 10%, it is **30.5922, 16.0691, 7.2183**.

Distribution



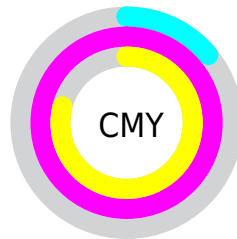
- Red (86%)
- Green (0%)
- Blue (21%)



- Red (86%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8560, 15.3171, 4.7511 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 29.8560, 15.3171, 4.7511 by changing the saturation by 10% instead.


 29.8560, 15.3171,
4.7511

 29.8560, 15.3171,
4.7511


293.1545,
225.2776, 156.2401


 19.8768, 9.0422,
2.0458


 58.8226, 35.4085,
15.7080


 12.4133, 4.7687,
0.5832


 78.5407, 49.9939,
24.7967


 7.1000, 2.1122,
0.0000


 102.2358, 68.1181,
36.8502

 3.5716, 0.6715,
0.0000

 130.2734, 90.1658,
52.2872

 1.4628, 0.0000,
0.0000

 163.0187,
116.5211, 71.5261

 0.3003, 0.0000,
0.0000

 200.8371,

 0.0000, 0.0000,

147.5686, 94.9856

0.0000

244.0939,
183.6927, 123.0840

■ 29.8560, 15.3171,
4.7511

■ 29.8560, 15.3171,
4.7511

■ 29.8549, 15.3166,
4.7466

■ 30.5922, 16.0691,
7.2183

■ 31.7964, 17.5254,
10.5549

■ 33.5855, 19.9027,
14.8538

■ 36.0290, 23.3239,
20.1868

■ 39.1859, 27.8929,
26.6181

■ 43.1086, 33.7009,
34.2066

■ 47.8443, 40.8299,
43.0067

■ 53.4365, 49.3549,
53.0695

■ 59.9253, 59.3450,
64.4428

Harmonies

Analogous

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



32.1813, 15.3171, 18.8646



29.8560, 15.3171, 4.7511



23.0699, 15.3171, 0.8073

Triad

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



29.8560, 15.3171, 4.7511



6.0509, 15.3171, 3.3453



13.8382, 15.3171, 90.4033

Complementary

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



29.8560, 15.3171, 4.7511



32.2193, 53.4179, 44.7122

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.



8.4498, 15.3171, 72.8008



29.8560, 15.3171, 4.7511



4.9369, 15.3171, 14.6667

Square

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



29.8560, 15.3171, 4.7511



9.3636, 15.3171, 0.4936



5.6520, 15.3171, 40.3092



21.3881, 15.3171, 78.5487

Rectangle

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



29.8560, 15.3171, 4.7511



17.7883, 15.3171, 0.0325



5.6520, 15.3171, 40.3092



11.7453, 15.3171, 87.5354

Sweetspot

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



29.8563, 15.3181, 4.7513



67.3382, 57.3314, 60.3408



28.1506, 13.0359, 68.0498



13.7768, 11.3100, 11.7434



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.



29.8563, 15.3181, 4.7513



42.1005, 21.6042, 6.4611



30.5696, 17.7722, 1.8206



13.1845, 13.1029, 14.2328



17.7389, 9.0966, 3.0053



1.1832, 0.6029, 0.3737

Inverse Universe

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



29.8563, 15.3181, 4.7513



42.1005, 21.6042, 6.4611



26.1091, 31.7595, 71.7714



13.1845, 13.1029, 14.2328



17.7389, 9.0966, 3.0053



1.1832, 0.6029, 0.3737

Previews

White Background



This preview shows how the XYZ color 29.8560, 15.3171, 4.7511 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 29.8560, 15.3171, 4.7511 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 29.8560, 15.3171, 4.7511

Background



This preview shows how black text looks on a background with the XYZ color 29.8560, 15.3171, 4.7511.



This preview shows how white text looks on a background with the XYZ color 29.8560, 15.3171,

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

29.8560, 15.3171, 4.7511

Protanopia

14.8781, 15.9411, 9.8822

Deuteranopia

16.1845, 15.9502, 4.2332



Tritanopia

29.2730, 15.5083, 1.8313

Trichromacy



Original Color

29.8560, 15.3171, 4.7511

Protanomaly

17.0690, 12.0166, 7.2141

Deuteranomaly

18.6293, 12.5286, 3.9190

Tritanomaly

29.2801, 15.3033, 2.5092

Monochromacy



Original Color

29.8560, 15.3171, 4.7511

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.3886, 6.6956, 5.7459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8560, 15.3171, 4.7511 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(219, 0, 53)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 53)  
}
```

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(219, 0, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 53) }
```

Border

The CSS property to change the border of an element to XYZ 29.8560, 15.3171, 4.7511 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(219, 0, 53) }
```


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

```
.border{ border-color:rgb(219, 0, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 53);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 53)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.8560, 15.3171, 4.7511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 53) }
```

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

```
.background{ background-color: rgb(219, 0,  
53) }
```

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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