

Converting Colors

XYZ(29.3438, 15.1227, 1.5824)

Have a look what the booklet for
XYZ(29.3438, 15.1227, 1.5824)
contains.

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Color

**XYZ(29.2518, 15.0754,
1.5691)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0007
RGB	219, 0, 7
RGB Percent	86%, 0%, 3%
CMY	0.1412, 0.9998, 0.9725
CMYK	0.00, 1.00, 0.97, 0.14
HSL	358°, 100%, 43%
HSV	358°, 100%, 86%
XYZ	29.2518, 15.0754, 1.5691
YIQ	66.2790, 128.2770, 48.6050

Conversions

Conversions Part 2

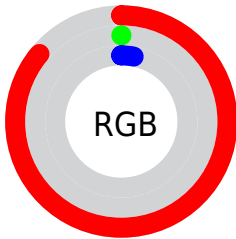
Format	Color
RYB	219, 0, 7
Decimal	14352391
CIELab	45.74, 71.47, 57.77
CIElCh	46, 91.900, 38.951
Yxy	15.0754, 0.6373, 0.3285
Android (android.graphics.Color)	4292542471 (0xFFDB0007)
YUV	66.2790, -29.2245, 133.9363
Hunter-Lab	38.8271, 66.5323, 24.7829

Details

The XYZ color **29.2518, 15.0754, 1.5691** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **37.2217, 55.4189, 71.0541**, and the grayscale version is **5.2561, 5.5299, 6.0220**.

A 20% lighter version of the original color is **45.6018, 28.7205, 7.2778**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **29.2513, 15.0752, 1.5678**, and if you desaturate by 10%, it is **29.7112, 15.7167, 2.5792**.

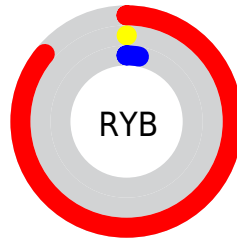
Distribution



Red (86%)

Green (0%)

Blue (3%)



Red (86%)

Yellow (0%)

Blue (3%)

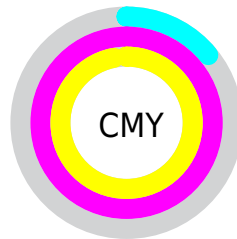


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2518, 15.0754, 1.5691 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 29.2518, 15.0754, 1.5691 by changing the saturation by 10% instead.

 29.2518, 15.0754,
1.5691


 29.2518, 15.0754,
1.5691


 290.3740,
223.8221, 115.2797

 19.4166, 8.8723,
0.2686


 57.8717, 34.9854,
7.8252


 12.0775, 4.6580,
0.0000


 77.3871, 49.4611,
13.7719


 6.8691, 2.0480,
0.0000


 100.8600, 67.4631,
22.1556

 3.4259, 0.6352,
0.0000

 128.6558, 89.3759,
33.3950

 1.3828, 0.0000,
0.0000

 161.1397,
115.5838, 47.9086

 0.2439, 0.0000,
0.0000


 198.6771,


 0.0000, 0.0000,


146.4712, 66.1148


0.0000


 241.6334,
182.4225, 88.4324


 29.2518, 15.0754,
1.5691


 29.2518, 15.0754,
1.5691

 29.2513, 15.0752,
1.5678

 29.7112, 15.7167,
2.5792

 30.6714, 17.0753,
4.6306

 32.2718, 19.3771,
7.9358

 34.5980, 22.7514,
12.6517

 37.7225, 27.3075,
18.9124

■ 41.7089, 33.1409,
26.8363

■ 46.6144, 40.3378,
36.5304

■ 52.4913, 48.9766,
48.0926

■ 59.3880, 59.1298,
61.6137

Harmonies

Analogous

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



34.5647, 15.0754, 10.6484



29.2518, 15.0754, 1.5691



20.3493, 15.0754, 0.0000

Triad

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



29.2518, 15.0754, 1.5691



4.4597, 15.0754, 5.3901



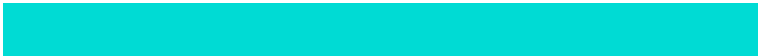
16.7648, 15.0754, 104.4131

Complementary

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



29.2518, 15.0754, 1.5691



37.2217, 55.4189, 71.0541

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.



9.6308, 15.0754, 96.6520



29.2518, 15.0754, 1.5691



4.0981, 15.0754, 23.9580

Square

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



29.2518, 15.0754, 1.5691



6.8757, 15.0754, 0.5165



5.6069, 15.0754, 60.2736



25.8340, 15.0754, 76.6467

Rectangle

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



29.2518, 15.0754, 1.5691



14.6022, 15.0754, 0.0000



5.6069, 15.0754, 60.2736



14.0587, 15.0754, 106.1760

Sweetspot

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



29.2521, 15.0764, 1.5693



65.5933, 56.6334, 51.1520



39.8519, 19.0682, 68.5975



13.3778, 11.1504, 9.6424



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.



29.2521, 15.0764, 1.5693



41.2844, 21.2777, 2.1636



33.9871, 24.6073, 2.9598



13.0727, 13.0582, 13.6442



17.3523, 8.9420, 0.9695



1.1302, 0.5817, 0.0946

Inverse Universe

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



29.2521, 15.0764, 1.5693



41.2844, 21.2777, 2.1636



19.1273, 17.7960, 69.4443



13.0727, 13.0582, 13.6442



17.3523, 8.9420, 0.9695



1.1302, 0.5817, 0.0946

Previews

White Background



This preview shows how the XYZ color 29.2518, 15.0754, 1.5691 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 29.2518, 15.0754, 1.5691 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 29.2518, 15.0754, 1.5691

Background



This preview shows how black text looks on a background with the XYZ color 29.2518, 15.0754, 1.5691.



This preview shows how white text looks on a background with the XYZ color 29.2518, 15.0754,

1.5691.

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

29.2518, 15.0754, 1.5691

Protanopia

14.2310, 15.7477, 3.5179

Deuteranopia

15.6990, 15.5921, 2.1822



Tritanopia

28.8654, 15.2520, 1.4226

Trichromacy



Original Color

29.2518, 15.0754, 1.5691

Protanomaly

16.6961, 11.9353, 2.1828

Deuteranomaly

18.1720, 12.3457, 1.5113

Tritanomaly

29.0738, 15.1998, 1.4877

Monochromacy



Original Color

29.2518, 15.0754, 1.5691

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

9.3277, 5.9830, 3.1458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2518, 15.0754, 1.5691 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 7) }
```

Border

The CSS property to change the border of an element to XYZ 29.2518, 15.0754, 1.5691 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, 7) }
```


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

```
.border{ border-color:rgb(219, 0, 7) }
```

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, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(219, 0, 7); box-shadow:4px  
4px 4px 4px rgb(219, 0, 7) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2518, 15.0754, 1.5691 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, 7) }
```

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

```
.background{ background-color: rgb(219, 0,  
7) }
```

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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