

Converting Colors

XYZ(29.8428, 15.5580, 1.7510)

Have a look what the booklet for
XYZ(29.8428, 15.5580, 1.7510)
contains.

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Color

**XYZ(29.6953, 15.4792,
1.7393)**

Conversions

Conversions Part 1

Format	Color
Hex	DC0B0B
RGB	220, 11, 11
RGB Percent	86%, 4%, 4%
CMY	0.1373, 0.9567, 0.9569
CMYK	0.00, 0.95, 0.95, 0.14
HSL	0°, 90%, 45%
HSV	0°, 95%, 86%
XYZ	29.6953, 15.4792, 1.7393
YIQ	73.4910, 124.5640, 44.3080

Conversions

Conversions Part 2

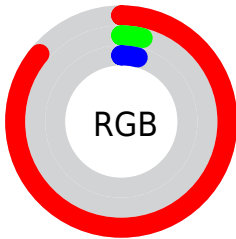
Format	Color
RYB	220, 11, 11
Decimal	14420747
CIELab	46.28, 70.81, 57.02
CIElCh	46, 90.913, 38.840
Yxy	15.4792, 0.6330, 0.3299
Android (android.graphics.Color)	4292610827 (0xFFDC0B0B)
YUV	73.4910, -30.8081, 128.4884
Hunter-Lab	39.3436, 65.8748, 24.9194

Details

The XYZ color **29.6953, 15.4792, 1.7393** 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 **38.6363, 56.3986, 76.5593**, and the grayscale version is **6.4610, 6.7975, 7.4025**.

A 20% lighter version of the original color is **45.8506, 29.0900, 7.7558**, and **13.3264, 6.8700, 0.6237** is the 20% darker color. If you saturate the color by 10%, you get **29.5155, 15.2166, 1.3815**, and if you desaturate by 10%, it is **30.3346, 16.4156, 3.0087**.

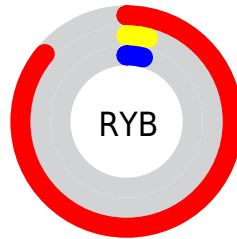
Distribution



Red (86%)

Green (4%)

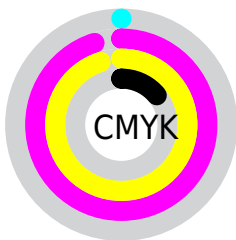
Blue (4%)



Red (86%)

Yellow (4%)

Blue (4%)

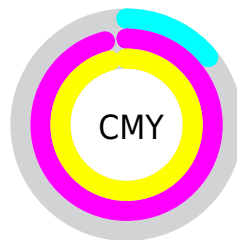


Cyan (0%)

Magenta (95%)

Yellow (95%)

Black (14%)



Cyan (14%)


Magenta (96%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6953, 15.4792, 1.7393 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 29.6953, 15.4792, 1.7393 by changing the saturation by 10% instead.


 29.6953, 15.4792,
1.7393


 29.6953, 15.4792,
1.7393


 292.4170,
226.2486, 118.1875


 19.7543, 9.1564,
0.3875


 58.5699, 35.6917,
8.3150


 12.3238, 4.8433,
0.0000


 78.2343, 50.3501,
14.4833

 7.0384, 2.1556,
0.0000


 101.8705, 68.5559,
23.1299

 3.5327, 0.6956,
0.0000

 129.8440, 90.6934,
34.6735

 1.4413, 0.0000,
0.0000

 162.5200,
117.1471, 49.5325

 0.2854, 0.0000,
0.0000


 200.2639,


 0.0000, 0.0000,


148.3012, 68.1255


0.0000


 243.4411,
184.5403, 90.8710


 29.6953, 15.4792,
1.7393


 29.6953, 15.4792,
1.7393


 29.5155, 15.2166,
1.3815

 30.3346, 16.4156,
3.0087

 31.5727, 18.2276,
5.4688

 33.5109, 21.0640,
9.3210

 36.2318, 25.0457,
14.7294

 39.8066, 30.2768,
21.8356

■ 44.2983, 36.8495,
30.7650

■ 49.7643, 44.8475,
41.6315

■ 56.2569, 54.3478,
54.5395

■ 63.8251, 65.4217,
69.5860

Harmonies

Analogous

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



34.9750, 15.4792, 11.0945



29.6953, 15.4792, 1.7393



20.7943, 15.4792, 0.0000

Triad

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



29.6953, 15.4792, 1.7393



4.7122, 15.4792, 5.6434



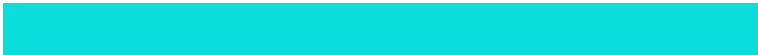
17.1311, 15.4792, 104.4031

Complementary

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



29.6953, 15.4792, 1.7393



38.6363, 56.3986, 76.5593

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.



9.9498, 15.4792, 96.5872



29.6953, 15.4792, 1.7393



4.3341, 15.4792, 24.3257

Square

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



29.6953, 15.4792, 1.7393



7.1885, 15.4792, 0.6283



5.8713, 15.4792, 60.4768



26.2181, 15.4792, 77.0150

Rectangle

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



29.6953, 15.4792, 1.7393



15.0171, 15.4792, 0.0000



5.8713, 15.4792, 60.4768



14.4120, 15.4792, 106.0978

Sweetspot

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



29.6956, 15.4802, 1.7395



66.9108, 58.8259, 52.9558



42.5528, 20.6222, 69.4473



13.6159, 11.5585, 9.9317



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.



29.6956, 15.4802, 1.7395



41.2406, 21.2613, 1.9302



35.7633, 27.6156, 3.7621



13.0563, 13.0520, 13.5567



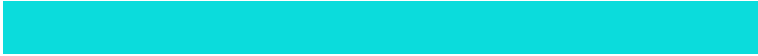
17.3226, 8.9308, 0.8108



1.1223, 0.5788, 0.0526

Inverse Universe

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



38.6363, 56.3986, 76.5593



53.7909, 78.7018, 106.9636



19.2442, 17.6144, 70.0952



13.4447, 14.8290, 16.8058



22.5942, 33.0578, 44.9284



1.4638, 2.1418, 2.9107

Previews

White Background



This preview shows how the XYZ color 29.6953, 15.4792, 1.7393 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 29.6953, 15.4792, 1.7393 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 29.6953, 15.4792, 1.7393

Background



This preview shows how black text looks on a background with the XYZ color 29.6953, 15.4792, 1.7393.



This preview shows how white text looks on a background with the XYZ color 29.6953, 15.4792,

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

29.6953, 15.4792, 1.7393

Protanopia

14.4026, 15.8331, 3.6635

Deuteranopia

15.9693, 15.8835, 2.2242



Tritanopia

29.4636, 15.5604, 1.4506

Trichromacy



Original Color

29.6953, 15.4792, 1.7393

Protanomaly

17.1782, 12.5717, 2.3853

Deuteranomaly

18.6373, 12.9503, 1.6322

Tritanomaly

29.4358, 15.4697, 1.5494

Monochromacy



Original Color

29.6953, 15.4792, 1.7393

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

10.5338, 7.1187, 3.9508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6953, 15.4792, 1.7393 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(220, 11, 11)` looks like.

```
.text, #text, p{  
    color:rgb(220, 11, 11)  
}
```

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(220, 11, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 11, 11) }
```

Border

The CSS property to change the border of an element to XYZ 29.6953, 15.4792, 1.7393 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(220, 11, 11) }
```


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

```
.border{ border-color:rgb(220, 11, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 11, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 11, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 11, 11);  
box-shadow:4px 4px 4px 4px rgb(220, 11,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6953, 15.4792, 1.7393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 11, 11) }
```

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

```
.background{ background-color: rgb(220, 11,  
11) }
```

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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