

Converting Colors

XYZ(27.5196, 10.0466, 0.0000)

Have a look what the booklet for
XYZ(27.5196, 10.0466, 0.0000)
contains.

XYZ(30.4314, 15.6880, 1.4242)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(30.4314, 15.6880,
1.4242)**

Conversions

Conversions Part 1

Format	Color
Hex	DF0000
RGB	223, 0, 0
RGB Percent	87%, 0%, 0%
CMY	0.1255, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.13
HSL	0°, 100%, 44%
HSV	0°, 100%, 87%
XYZ	30.4314, 15.6880, 1.4242
YIQ	66.6770, 132.9080, 47.2760

Conversions

Conversions Part 2

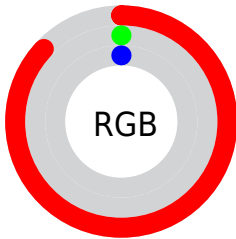
Format	Color
R_{YB}	223, 0, 0
Decimal	14614528
CIE _{Lab}	46.56, 72.39, 60.74
CIE _{LCh}	47, 94.499, 40.000
Yxy	15.6880, 0.6401, 0.3300
Android (android.graphics.Color)	4292804608 (0xFFDF0000)
YUV	66.6770, -32.8718, 137.0953
Hunter-Lab	39.6081, 67.8297, 25.5937

Details

The XYZ color **30.4314, 15.6880, 1.4242** 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 **39.6924, 58.0741, 78.9287**, and the grayscale version is **5.3243, 5.6016, 6.1002**.

A 20% lighter version of the original color is **45.5020, 28.6806, 6.7521**, and **13.9046, 7.1681, 0.6507** is the 20% darker color. If you saturate the color by 10%, you get **30.4317, 15.6890, 1.4243**, and if you desaturate by 10%, it is **30.8725, 16.3342, 2.3001**.

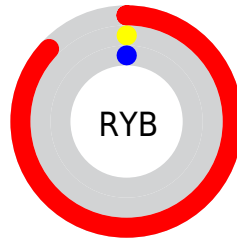
Distribution



Red (87%)

Green (0%)

Blue (0%)



Red (87%)

Yellow (0%)

Blue (0%)

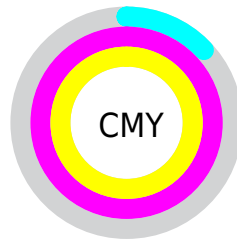


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4314, 15.6880, 1.4242 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 30.4314, 15.6880, 1.4242 by changing the saturation by 10% instead.

 30.4314, 15.6880,
1.4242


 30.4314, 15.6880,
1.4242


 295.7840,
227.4936, 112.6753


 20.3160, 9.3036,
0.1605


 59.7257, 36.0557,
7.3966


 12.7345, 4.9398,
0.0000


 79.6353, 50.8078,
13.1451


 7.3217, 2.2120,
0.0000


 103.5403, 69.1180,
21.2931

 3.7122, 0.7265,
0.0000

 131.8060, 91.3707,
32.2592

 1.5407, 0.0000,
0.0000

 164.7980,
117.9501, 46.4619


 0.3532, 0.0000,
0.0000


 202.8814,


 0.0000, 0.0000,


149.2409, 64.3198


0.0000


 246.4216,
185.6272, 86.2514


 30.4314, 15.6880,
1.4242


 30.4314, 15.6880,
1.4242


 30.4317, 15.6890,
1.4243

 30.8725, 16.3342,
2.3001

 31.8220, 17.7240,
4.1865

 33.4448, 20.0989,
7.4115

 35.8346, 23.5961,
12.1614

 39.0703, 28.3310,
18.5933

■ 43.2209, 34.4047,
26.8444

■ 48.3486, 41.9078,
37.0382

■ 54.5098, 50.9232,
49.2871

■ 61.7568, 61.5273,
63.6951

Harmonies

Analogous

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



36.2892, 15.6880, 10.4115



30.4314, 15.6880, 1.4242



20.9407, 15.6880, 0.0000

Triad

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



30.4314, 15.6880, 1.4242



4.4988, 15.6880, 5.8681



17.8021, 15.6880, 110.4092

Complementary

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



30.4314, 15.6880, 1.4242



39.6924, 58.0741, 78.9287

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.



10.1665, 15.6880, 103.5294



30.4314, 15.6880, 1.4242



4.1881, 15.6880, 26.1236

Square

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



30.4314, 15.6880, 1.4242



6.9340, 15.6880, 0.5516



5.8377, 15.6880, 65.2404



27.4274, 15.6880, 79.7162

Rectangle

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



30.4314, 15.6880, 1.4242



14.9109, 15.6880, 0.0000



5.8377, 15.6880, 65.2404



14.9110, 15.6880, 112.7928

Sweetspot

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



30.4317, 15.6890, 1.4244



65.3499, 56.5419, 49.8525



43.7503, 21.0155, 71.5618



13.3229, 11.1297, 9.3491



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.



30.4317, 15.6890, 1.4244



41.2407, 21.2613, 1.9302



36.1703, 27.1662, 3.3373



13.7076, 13.7011, 14.2289



17.8936, 9.2252, 0.8375



1.2404, 0.6396, 0.0581

Inverse Universe

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



39.6924, 58.0741, 78.9287



53.7906, 78.7012, 106.9635



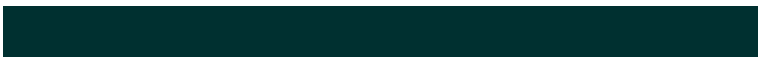
19.0584, 16.8061, 72.0507



14.1163, 15.5718, 17.6493



23.3388, 34.1472, 46.4093



1.6178, 2.3671, 3.2169

Previews

White Background



This preview shows how the XYZ color 30.4314, 15.6880, 1.4242 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 30.4314, 15.6880, 1.4242 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 30.4314, 15.6880, 1.4242

Background



This preview shows how black text looks on a background with the XYZ color 30.4314, 15.6880, 1.4242.



This preview shows how white text looks on a background with the XYZ color 30.4314, 15.6880,

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

30.4314, 15.6880, 1.4242

Protanopia

14.7311, 16.3346, 3.5389

Tritanopia

30.0870, 15.9085, 1.4849

Trichromacy



Original Color

30.4314, 15.6880, 1.4242

Protanomaly

17.1245, 12.2555, 2.0352

Tritanomaly

30.2681, 15.8174, 1.4578

Monochromacy



Original Color

30.4314, 15.6880, 1.4242

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

9.6121, 6.1873, 2.9731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4314, 15.6880, 1.4242 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(223, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 0)  
}
```

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(223, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.4314, 15.6880, 1.4242 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(223, 0, 0) }
```

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

```
.border{ border-color:rgb(223, 0, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(223, 0, 0); box-shadow:4px  
4px 4px 4px rgb(223, 0, 0) }
```


Background

The CSS property to change the background color of an element to XYZ 30.4314, 15.6880, 1.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 0) }
```

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

```
.background{ background-color: rgb(223, 0,  
0) }
```

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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