

Converting Colors

XYZ(30.1819, 15.5474, 1.9535)

Have a look what the booklet for
XYZ(30.1819, 15.5474, 1.9535)
contains.

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Color

**XYZ(30.2254, 15.5701,
1.9426)**

Conversions

Conversions Part 1

Format	Color
Hex	DE0011
RGB	222, 0, 17
RGB Percent	87%, 0%, 7%
CMY	0.1294, 0.9998, 0.9333
CMYK	0.00, 1.00, 0.92, 0.13
HSL	355°, 100%, 44%
HSV	355°, 100%, 87%
XYZ	30.2254, 15.5701, 1.9426
YIQ	68.3160, 126.8550, 52.3510

Conversions

Conversions Part 2

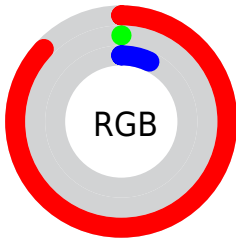
Format	Color
R_{YB}	222, 0, 17
Decimal	14549009
CIE _{Lab}	46.41, 72.29, 55.34
CIE _{LCh}	46, 91.041, 37.431
Yxy	15.5701, 0.6332, 0.3262
Android (android.graphics.Color)	4292739089 (0xFFDE0011)
YUV	68.3160, -25.2988, 134.7809
Hunter-Lab	39.4590, 67.6770, 24.7024

Details

The XYZ color **30.2254, 15.5701, 1.9426** 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 **37.1474, 56.6528, 66.7675**, and the grayscale version is **5.5754, 5.8657, 6.3878**.

A 20% lighter version of the original color is **45.7957, 28.7981, 8.2991**, and **13.7103, 7.0679, 0.6416** is the 20% darker color. If you saturate the color by 10%, you get **30.2248, 15.5698, 1.9406**, and if you desaturate by 10%, it is **30.7577, 16.2498, 3.3076**.

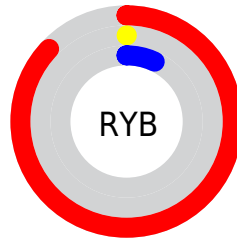
Distribution



Red (87%)

Green (0%)

Blue (7%)



Red (87%)

Yellow (0%)

Blue (7%)

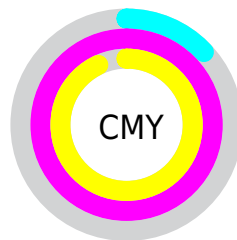


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2254, 15.5701, 1.9426 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 30.2254, 15.5701, 1.9426 by changing the saturation by 10% instead.


 30.2254, 15.5701,
1.9426


 30.2254, 15.5701,
1.9426


294.8447,
226.7914, 121.4790


 20.1587, 9.2205,
0.5196


 59.4026, 35.8502,
8.8833


 12.6194, 4.8853,
0.0000


 79.2438, 50.5496,
15.3029


 7.2421, 2.1801,
0.0000


 103.0739, 68.8009,
24.2468

 3.6617, 0.7091,
0.0000

 131.2582, 90.9886,
36.1335

 1.5126, 0.0000,
0.0000

 164.1621,
117.4971, 51.3815


 0.3344, 0.0000,
0.0000


 202.1509,


 0.0000, 0.0000,


148.7108, 70.4094


0.0000


 245.5900,
185.0141, 93.6357


 30.2254, 15.5701,
1.9426


 30.2254, 15.5701,
1.9426


 30.2248, 15.5698,
1.9406

 30.7577, 16.2498,
3.3076

 31.8056, 17.6704,
5.7388

 33.5043, 20.0601,
9.4111

 35.9372, 23.5510,
14.4611

 39.1756, 28.2545,
21.0073

■ 43.2820, 34.2682,
29.1556

■ 48.3128, 41.6800,
39.0020

■ 54.3199, 50.5701,
50.6351

■ 61.3509, 61.0125,
64.1374

Harmonies

Analogous

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



35.2592, 15.5701, 11.9743



30.2254, 15.5701, 1.9426



21.3475, 15.5701, 0.0000

Triad

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



30.2254, 15.5701, 1.9426



4.8081, 15.5701, 5.2198



16.8286, 15.5701, 105.4440

Complementary

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



30.2254, 15.5701, 1.9426



37.1474, 56.6528, 66.7675

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.



9.7485, 15.5701, 95.8283



30.2254, 15.5701, 1.9426



4.3400, 15.5701, 23.1502

Square

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



30.2254, 15.5701, 1.9426



7.4158, 15.5701, 0.5394



5.7863, 15.5701, 58.8679



25.9397, 15.5701, 79.2300

Rectangle

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



30.2254, 15.5701, 1.9426



15.4827, 15.5701, 0.0000



5.7863, 15.5701, 58.8679



14.1356, 15.5701, 106.5237

Sweetspot

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



30.2257, 15.5711, 1.9428



65.9476, 56.7752, 53.0182



37.9513, 18.0424, 70.5890



13.4581, 11.1825, 10.0653



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.



30.2257, 15.5711, 1.9428



41.3616, 21.3086, 2.5704



33.9975, 23.2762, 2.7024



13.7495, 13.7174, 14.4510



17.9687, 9.2545, 1.2349



1.2605, 0.6475, 0.1648

Inverse Universe

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



30.2257, 15.5711, 1.9428



41.3616, 21.3086, 2.5704



21.1045, 21.1126, 72.0695



13.7495, 13.7174, 14.4510



17.9687, 9.2545, 1.2349



1.2605, 0.6475, 0.1648

Previews

White Background



This preview shows how the XYZ color 30.2254, 15.5701, 1.9426 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



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 30.2254, 15.5701, 1.9426

Background



This preview shows how black text looks on a background with the XYZ color 30.2254, 15.5701, 1.9426.



This preview shows how white text looks on a background with the XYZ color 30.2254, 15.5701,

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

30.2254, 15.5701, 1.9426

Protanopia

14.5855, 16.0819, 4.0856

Deuteranopia

16.1385, 15.9708, 2.2321



Tritanopia

29.7654, 15.7160, 1.4647

Trichromacy



Original Color

30.2254, 15.5701, 1.9426

Protanomaly

16.9848, 12.0738, 2.6636

Deuteranomaly

18.6176, 12.5735, 1.6180

Tritanomaly

29.9956, 15.6731, 1.6166

Monochromacy



Original Color

30.2254, 15.5701, 1.9426

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.7304, 6.2346, 3.5963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2254, 15.5701, 1.9426 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(222, 0, 17)` looks like.

```
.text, #text, p{  
  color:rgb(222, 0, 17)  
}
```

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(222, 0, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 17) }
```

Border

The CSS property to change the border of an element to XYZ 30.2254, 15.5701, 1.9426 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(222, 0, 17) }
```


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

```
.border{ border-color:rgb(222, 0, 17) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 17);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 17)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.2254, 15.5701, 1.9426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 17) }
```

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

```
.background{ background-color: rgb(222, 0,  
17) }
```

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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