

Converting Colors

XYZ(30.0891, 15.5102, 1.4647)

Have a look what the booklet for
XYZ(30.0891, 15.5102, 1.4647)
contains.

XYZ(30.1352, 15.5340, 1.4675)	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>	31

Color

**XYZ(30.1352, 15.5340,
1.4675)**

Conversions

Conversions Part 1

Format	Color
Hex	DE0002
RGB	222, 0, 2
RGB Percent	87%, 0%, 1%
CMY	0.1294, 0.9998, 0.9922
CMYK	0.00, 1.00, 0.99, 0.13
HSL	359°, 100%, 44%
HSV	359°, 100%, 87%
XYZ	30.1352, 15.5340, 1.4675
YIQ	66.6060, 131.6700, 47.6860

Conversions

Conversions Part 2

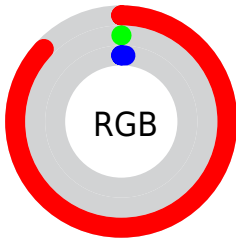
Format	Color
RYB	222, 0, 2
Decimal	14548994
CIELab	46.36, 72.16, 59.92
CIElCh	46, 93.794, 39.703
Yxy	15.5340, 0.6393, 0.3296
Android (android.graphics.Color)	4292739074 (0xFFDE0002)
YUV	66.6060, -31.8508, 136.2805
Hunter-Lab	39.4132, 67.5074, 25.3816

Details

The XYZ color **30.1352, 15.5340, 1.4675** 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 **39.0467, 57.4125, 76.7688**, and the grayscale version is **5.3115, 5.5881, 6.0854**.

A 20% lighter version of the original color is **45.5262, 28.6903, 6.8797**, and **13.7103, 7.0679, 0.6416** is the 20% darker color. If you saturate the color by 10%, you get **30.1347, 15.5338, 1.4660**, and if you desaturate by 10%, it is **30.5807, 16.1790, 2.3756**.

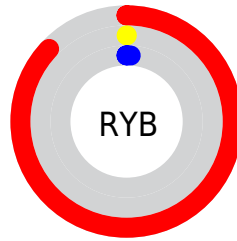
Distribution



Red (87%)

Green (0%)

Blue (1%)



Red (87%)

Yellow (0%)

Blue (1%)

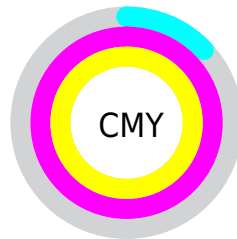


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1352, 15.5340, 1.4675 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 30.1352, 15.5340, 1.4675 by changing the saturation by 10% instead.


 30.1352, 15.5340,
1.4675


 30.1352, 15.5340,
1.4675


 294.4327,
226.5760, 113.4672


 20.0898, 9.1950,
0.1935


 59.2611, 35.7873,
7.5259


 12.5690, 4.8686,
0.0000


 79.0723, 50.4704,
13.3346


 7.2074, 2.1704,
0.0000


 102.8695, 68.7036,
21.5543

 3.6396, 0.7038,
0.0000

 131.0180, 90.8714,
32.6036

 1.5003, 0.0000,
0.0000

 163.8832,
117.3582, 46.9010

 0.3261, 0.0000,
0.0000


 201.8305,


 0.0000, 0.0000,


148.5483, 64.8650


0.0000


 245.2252,
184.8261, 86.9142


 30.1352, 15.5340,
1.4675


 30.1352, 15.5340,
1.4675


 30.1347, 15.5338,
1.4660

 30.5807, 16.1790,
2.3756

 31.5350, 17.5621,
4.3137

 33.1544, 19.9201,
7.5690

 35.5304, 23.3882,
12.3193

 38.7402, 28.0801,
18.7150

■ 42.8513, 34.0957,
26.8882

■ 47.9245, 41.5243,
36.9576

■ 54.0152, 50.4478,
49.0316

■ 61.1746, 60.9416,
63.2105

Harmonies

Analogous

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



35.8420, 15.5340, 10.4964



30.1352, 15.5340, 1.4675



20.8017, 15.5340, 0.0000

Triad

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



30.1352, 15.5340, 1.4675



4.4947, 15.5340, 5.7363



17.5259, 15.5340, 108.8258

Complementary

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



30.1352, 15.5340, 1.4675



39.0467, 57.4125, 76.7688

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.



10.0256, 15.5340, 101.6703



30.1352, 15.5340, 1.4675



4.1686, 15.5340, 25.5253

Square

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



30.1352, 15.5340, 1.4675



6.9282, 15.5340, 0.5428



5.7796, 15.5340, 63.8791



27.0032, 15.5340, 78.9462

Rectangle

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



30.1352, 15.5340, 1.4675



14.8449, 15.5340, 0.0000



5.7796, 15.5340, 63.8791



14.6845, 15.5340, 111.0290

Sweetspot

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



30.1355, 15.5350, 1.4677



65.4141, 56.5618, 50.2088



42.1886, 20.2268, 70.7873



13.3374, 11.1342, 9.4294



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.



30.1355, 15.5350, 1.4677



41.2523, 21.2649, 1.9946



35.4161, 26.1132, 3.1752



13.7121, 13.7025, 14.2542



17.9017, 9.2277, 0.8820



1.2426, 0.6403, 0.0703

Inverse Universe

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



30.1355, 15.5350, 1.4677



41.2523, 21.2649, 1.9946



19.2848, 17.4730, 71.4630



13.7121, 13.7025, 14.2542



17.9017, 9.2277, 0.8820



1.2426, 0.6403, 0.0703

Previews

White Background



This preview shows how the XYZ color 30.1352, 15.5340, 1.4675 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 30.1352, 15.5340, 1.4675

Background



This preview shows how black text looks on a background with the XYZ color 30.1352, 15.5340, 1.4675.



This preview shows how white text looks on a background with the XYZ color 30.1352, 15.5340,

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

30.1352, 15.5340, 1.4675

Protanopia

14.6201, 16.1127, 3.5019

Deuteranopia

16.1385, 15.9708, 2.2321



Tritanopia

29.7834, 15.7520, 1.4707

Trichromacy



Original Color

30.1352, 15.5340, 1.4675

Protanomaly

17.0687, 12.1306, 2.0579

Deuteranomaly

18.5902, 12.5625, 1.4737

Tritanomaly

29.9682, 15.6622, 1.4723

Monochromacy



Original Color

30.1352, 15.5340, 1.4675

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

9.4683, 6.1131, 2.9664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1352, 15.5340, 1.4675 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 30.1352, 15.5340, 1.4675 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, 2) }
```


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

```
.border{ border-color:rgb(222, 0, 2) }
```

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, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(222, 0, 2); box-shadow:4px  
4px 4px 4px rgb(222, 0, 2) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1352, 15.5340, 1.4675 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, 2) }
```

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

```
.background{ background-color: rgb(222, 0,  
2) }
```

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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