

Converting Colors

XYZ(30.2265, 15.5652, 2.1882)

Have a look what the booklet for
XYZ(30.2265, 15.5652, 2.1882)
contains.

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Color

**XYZ(30.2690, 15.5875,
2.1724)**

Conversions

Conversions Part 1

Format	Color
Hex	DE0016
RGB	222, 0, 22
RGB Percent	87%, 0%, 9%
CMY	0.1294, 0.9998, 0.9137
CMYK	0.00, 1.00, 0.90, 0.13
HSL	354°, 100%, 44%
HSV	354°, 100%, 87%
XYZ	30.2690, 15.5875, 2.1724
YIQ	68.8860, 125.2500, 53.9060

Conversions

Conversions Part 2

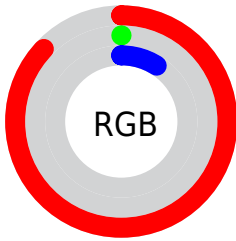
Format	Color
R_{YB}	222, 0, 22
Decimal	14549014
CIE _{Lab}	46.43, 72.36, 53.39
CIE _{LCh}	46, 89.924, 36.422
Yxy	15.5875, 0.6302, 0.3245
Android (android.graphics.Color)	4292739094 (0xFFDE0016)
YUV	68.8860, -23.1148, 134.2810
Hunter-Lab	39.4810, 67.7593, 24.3743

Details

The XYZ color **30.2690, 15.5875, 2.1724** 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 **36.5528, 56.4149, 63.6366**, and the grayscale version is **5.6647, 5.9597, 6.4901**.

A 20% lighter version of the original color is **45.9179, 28.8470, 8.9422**, and **13.7103, 7.0679, 0.6416** is the 20% darker color. If you saturate the color by 10%, you get **30.2683, 15.5872, 2.1701**, and if you desaturate by 10%, it is **30.8337, 16.2801, 3.7082**.

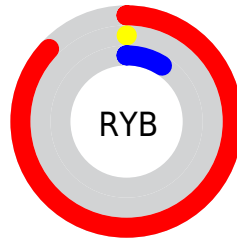
Distribution



Red (87%)

Green (0%)

Blue (9%)



Red (87%)

Yellow (0%)

Blue (9%)

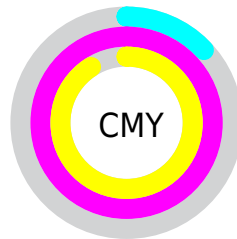


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2690, 15.5875, 2.1724 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 30.2690, 15.5875, 2.1724 by changing the saturation by 10% instead.

 30.2690, 15.5875,
2.1724


 30.2690, 15.5875,
2.1724


295.0437,
226.8952, 124.9989


 20.1919, 9.2327,
0.6584


 59.4710, 35.8806,
9.5070


 12.6437, 4.8933,
0.0000


 79.3267, 50.5877,
16.1958

 7.2590, 2.1848,
0.0000


 103.1727, 68.8477,
25.4571

 3.6723, 0.7117,
0.0000

 131.3742, 91.0450,
37.7094

 1.5185, 0.0000,
0.0000

 164.2968,
117.5640, 53.3711

 0.3384, 0.0000,
0.0000


 202.3056,


 0.0000, 0.0000,


148.7891, 72.8609


0.0000


 245.7661,
185.1047, 96.5973


 30.2690, 15.5875,
2.1724


 30.2690, 15.5875,
2.1724


 30.2683, 15.5872,
2.1701

 30.8337, 16.2801,
3.7082

 31.9113, 17.7125,
6.2958

 33.6339, 20.1118,
10.0947

 36.0831, 23.6091,
15.2304

 39.3282, 28.3151,
21.8124

■ 43.4304, 34.3271,
29.9388

■ 48.4448, 41.7322,
39.6991

■ 54.4221, 50.6102,
51.1761

■ 61.4091, 61.0350,
64.4468

Harmonies

Analogous

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



35.0193, 15.5875, 12.6447



30.2690, 15.5875, 2.1724



21.5860, 15.5875, 0.0000

Triad

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



30.2690, 15.5875, 2.1724



4.9461, 15.5875, 5.0099



16.5398, 15.5875, 104.0484

Complementary

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



30.2690, 15.5875, 2.1724



36.5528, 56.4149, 63.6366

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.



9.6331, 15.5875, 93.4309



30.2690, 15.5875, 2.1724



4.4145, 15.5875, 22.1889

Square

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



30.2690, 15.5875, 2.1724



7.6307, 15.5875, 0.5377



5.7895, 15.5875, 56.8278



25.4997, 15.5875, 79.3674

Rectangle

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



30.2690, 15.5875, 2.1724



15.7617, 15.5875, 0.0000



5.7895, 15.5875, 56.8278



13.9078, 15.5875, 104.6662

Sweetspot

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



30.2693, 15.5885, 2.1726



66.1300, 56.8481, 53.9782



36.9525, 17.5274, 70.5422



13.4996, 11.1991, 10.2837



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.



30.2693, 15.5885, 2.1726



41.4178, 21.3311, 2.8665



33.6825, 22.6461, 2.5973



13.7620, 13.7224, 14.5170



17.9975, 9.2660, 1.3868



1.2665, 0.6499, 0.1963

Inverse Universe

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



30.2693, 15.5885, 2.1726



41.4178, 21.3311, 2.8665



21.6030, 22.1096, 72.2356



13.7620, 13.7224, 14.5170



17.9975, 9.2660, 1.3868



1.2665, 0.6499, 0.1963

Previews

White Background



This preview shows how the XYZ color 30.2690, 15.5875, 2.1724 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 30.2690, 15.5875, 2.1724

Background



This preview shows how black text looks on a background with the XYZ color 30.2690, 15.5875, 2.1724.



This preview shows how white text looks on a background with the XYZ color 30.2690, 15.5875,

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

30.2690, 15.5875, 2.1724

Protanopia

14.6519, 16.1084, 4.4348

Deuteranopia

16.1385, 15.9708, 2.2321



Tritanopia

30.0689, 15.8725, 1.4789

Trichromacy



Original Color

30.2690, 15.5875, 2.1724

Protanomaly

17.0392, 12.0956, 2.9500

Deuteranomaly

18.6285, 12.5779, 1.6757

Tritanomaly

30.0065, 15.6775, 1.6743

Monochromacy



Original Color

30.2690, 15.5875, 2.1724

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

9.9780, 6.4093, 3.9600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2690, 15.5875, 2.1724 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, 22)` looks like.

```
.text, #text, p{  
  color:rgb(222, 0, 22)  
}
```

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, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 22) }
```

Border

The CSS property to change the border of an element to XYZ 30.2690, 15.5875, 2.1724 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, 22) }
```


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

```
.border{ border-color:rgb(222, 0, 22) }
```

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, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 22)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.2690, 15.5875, 2.1724 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, 22) }
```

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

```
.background{ background-color: rgb(222, 0,  
22) }
```

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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