

Converting Colors

XYZ(31.1710, 22.6682, 14.9739)

Have a look what the booklet for
XYZ(31.1710, 22.6682, 14.9739)
contains.

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Color

**XYZ(31.0900, 22.6645,
15.0480)**

Conversions

Conversions Part 1

Format	Color
Hex	C96565
RGB	201, 101, 101
RGB Percent	79%, 40%, 40%
CMY	0.2118, 0.6039, 0.6039
CMYK	0.00, 0.50, 0.50, 0.21
HSL	0°, 48%, 59%
HSV	0°, 50%, 79%
XYZ	31.0900, 22.6645, 15.0480
YIQ	130.9000, 59.6000, 21.2000

Conversions

Conversions Part 2

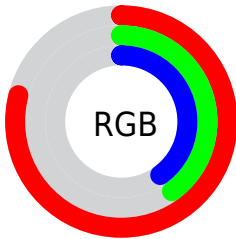
Format	Color
R_{YB}	201, 101, 101
Decimal	13198693
CIE _{Lab}	54.73, 39.66, 18.54
CIE _{LCh}	55, 43.775, 25.052
Yxy	22.6645, 0.4519, 0.3294
Android (android.graphics.Color)	4291388773 (0xFFC96565)
YUV	130.9000, -14.7407, 61.4777
Hunter-Lab	47.6072, 33.2571, 14.5843

Details

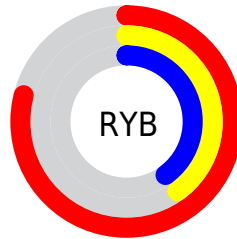
The XYZ color **31.0900, 22.6645, 15.0480** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **36.7946, 48.7541, 62.7292**, and the grayscale version is **21.5745, 22.6980, 24.7182**.

A 20% lighter version of the original color is **58.4631, 46.6382, 35.6265**, and **13.1341, 8.3872, 4.4167** is the 20% darker color. If you saturate the color by 10%, you get **28.5043, 18.8812, 9.9072**, and if you desaturate by 10%, it is **34.3948, 27.5008, 21.6170**.

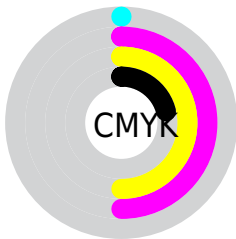
Distribution



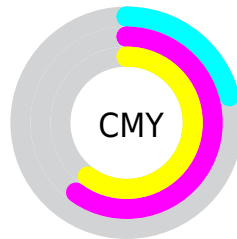
- Red (79%)
- Green (40%)
- Blue (40%)



- Red (79%)
- Yellow (40%)
- Blue (40%)



- Cyan (0%)
- Magenta (50%)
- Yellow (50%)
- Black (21%)





- Cyan (21%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0900, 22.6645, 15.0480 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 31.0900, 22.6645, 15.0480 by changing the saturation by 10% instead.


 31.0900, 22.6645,
15.0480

 31.0900, 22.6645,
15.0480

298.7722,
265.9971, 235.3073

 20.8196, 14.3460,
8.7061


 60.7566, 47.8418,
35.6809


 13.1039, 8.3617,
4.4558


 80.8835, 65.4695,
50.8089

 7.5776, 4.3272,
1.8786


 105.0266, 86.9689,
69.7027

 3.8754, 1.8583,
0.4790

 133.5512,
112.7245, 92.7808

 1.6319, 0.5231,
0.0000

166.8227,
143.1208, 120.4618

 0.4131, 0.0000,
0.0000

205.2065,

 0.0000, 0.0000,

178.5420, 153.1642

0.0000

249.0679,
219.3727, 191.3065

■ 31.0900, 22.6645,
15.0480

■ 31.0900, 22.6645,
15.0480

■ 28.5043, 18.8812,
9.9072

■ 34.3948, 27.5008,
21.6170

■ 26.5828, 16.0693,
6.0875

■ 38.4649, 33.4565,
29.7081

■ 25.2652, 14.1414,
3.4685


■ 43.3447, 40.5970,
39.4089


■ 24.4800, 12.9923,
1.9077


■ 49.0746, 48.9815,
50.7998


■ 24.0955, 12.4297,
1.1436

■ 55.6924, 58.6651,
63.9558

 24.0874, 12.4177,
1.1273

 63.2335, 69.6999,
78.9475

 71.7316, 82.1349,
95.8417

 77.8972, 91.1574,
108.0973

Harmonies

Analogous

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



32.1731, 22.6645, 27.0419



31.0900, 22.6645, 15.0480



27.3071, 22.6645, 8.6747

Triad

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



31.0900, 22.6645, 15.0480



14.7956, 22.6645, 12.3695



20.7513, 22.6645, 61.7550

Complementary

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



31.0900, 22.6645, 15.0480



36.7946, 48.7541, 62.7292

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.



16.6513, 22.6645, 53.5013



31.0900, 22.6645, 15.0480



13.5561, 22.6645, 22.4556

Square

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



31.0900, 22.6645, 15.0480



17.8465, 22.6645, 7.5822



14.1811, 22.6645, 37.7289



25.7152, 22.6645, 57.4340

Rectangle

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



31.0900, 22.6645, 15.0480



24.0254, 22.6645, 6.8764



14.1811, 22.6645, 37.7289



19.2358, 22.6645, 60.2915

Sweetspot

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



31.0906, 22.6657, 15.0484



78.4809, 75.7548, 75.9610



39.2835, 25.9420, 58.1948



16.3598, 15.5732, 15.3873



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.



31.0906, 22.6657, 15.0484



48.3905, 31.7238, 16.1432



37.5029, 35.4903, 17.1858



10.6339, 10.6370, 11.0554



15.1453, 7.8079, 0.7088



0.7171, 0.3697, 0.0336

Inverse Universe

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



36.7946, 48.7541, 62.7292



59.2867, 81.5591, 107.2255



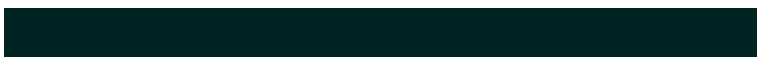
26.9761, 29.1170, 59.4563



10.9467, 12.0675, 13.6698



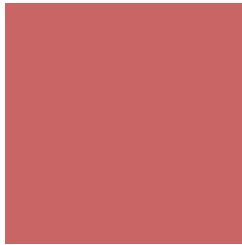
19.7599, 28.9136, 39.2838



0.9356, 1.3691, 1.8601

Previews

White Background



This preview shows how the XYZ color 31.0900, 22.6645, 15.0480 looks on a white background.

Color Contrast Check

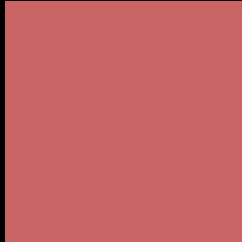
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.0900, 22.6645, 15.0480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

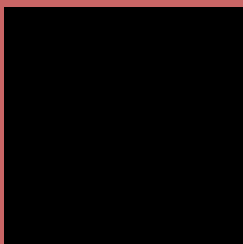
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0900, 22.6645, 15.0480

Background



This preview shows how black text looks on a background with the XYZ color 31.0900, 22.6645, 15.0480.



This preview shows how white text looks on a background with the XYZ color 31.0900, 22.6645,

15.0480.

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

31.0900, 22.6645, 15.0480

Protanopia

21.6920, 22.8737, 19.4914

Deuteranopia

23.1361, 22.7533, 14.4817



Tritanopia

31.2984, 22.5934, 16.6213

Trichromacy



Original Color

31.0900, 22.6645, 15.0480

Protanomaly

24.2289, 22.1358, 17.7475

Deuteranomaly

25.5792, 22.3751, 14.5259

Tritanomaly

31.1944, 22.5518, 16.0734

Monochromacy



Original Color

31.0900, 22.6645, 15.0480

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.8169, 21.8569, 20.7328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0900, 22.6645, 15.0480 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(201, 101, 101)` looks like.

```
.text, #text, p{  
    color:rgb(201, 101, 101)  
}
```

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(201, 101, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 101, 101) }
```

Border

The CSS property to change the border of an element to XYZ 31.0900, 22.6645, 15.0480 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(201, 101, 101) }
```


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

```
.border{ border-color:rgb(201, 101, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 101, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 101, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 101, 101);  
box-shadow:4px 4px 4px 4px rgb(201, 101,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0900, 22.6645, 15.0480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 101, 101) }
```

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

```
.background{ background-color: rgb(201,  
101, 101) }
```

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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