

Converting Colors

XYZ(30.9101, 27.7175, 15.7775)

Have a look what the booklet for
XYZ(30.9101, 27.7175, 15.7775)
contains.

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Color

**XYZ(30.9101, 27.7175,
15.7775)**

Conversions

Conversions Part 1

Format	Color
Hex	BB8364
RGB	187, 131, 100
RGB Percent	73%, 51%, 39%
CMY	0.2667, 0.4863, 0.6078
CMYK	0.00, 0.30, 0.47, 0.27
HSL	21°, 39%, 56%
HSV	21°, 47%, 73%
XYZ	30.9101, 27.7175, 15.7775
YIQ	144.2100, 43.3270, 2.2310

Conversions

Conversions Part 2

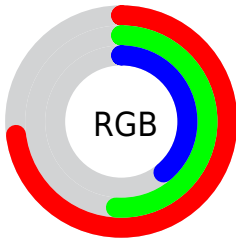
Format	Color
RYB	187, 148, 100
Decimal	12288868
CIELab	59.63, 17.84, 25.35
CIELCh	60, 30.999, 54.870
Yxy	27.7175, 0.4154, 0.3725
Android (android.graphics.Color)	4290478948 (0xFFBB8364)
YUV	144.2100, -21.7955, 37.5268
Hunter-Lab	52.6474, 12.6671, 19.0850

Details

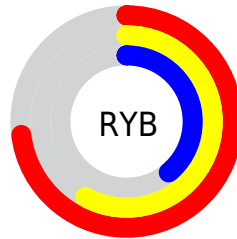
The XYZ color **30.9101, 27.7175, 15.7775** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **26.1132, 30.0730, 51.4420**, and the grayscale version is **26.6674, 28.0562, 30.5532**.

A 20% lighter version of the original color is **60.3826, 55.9278, 36.8908**, and **12.9451, 10.9672, 4.8028** is the 20% darker color. If you saturate the color by 10%, you get **28.5832, 24.3497, 11.0374**, and if you desaturate by 10%, it is **33.6340, 31.5467, 21.6753**.

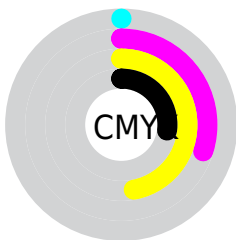
Distribution



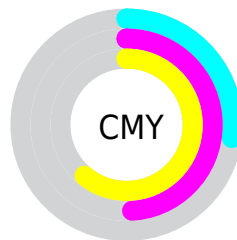
- Red (73%)
- Green (51%)
- Blue (39%)



- Red (73%)
- Yellow (58%)
- Blue (39%)



- Cyan (0%)
- Magenta (30%)
- Yellow (47%)
- Black (27%)





- Cyan (27%)
- Magenta (49%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9101, 27.7175, 15.7775 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 30.9101, 27.7175, 15.7775 by changing the saturation by 10% instead.


 30.9101, 27.7175,
15.7775


 30.9101, 27.7175,
15.7775


297.9582,
291.1146, 239.8259


 20.6819, 18.1128,
9.2142


 60.4753, 56.0331,
36.9729

 13.0028, 11.0310,
4.7824


 80.5430, 75.5128,
52.4421

 7.5075, 6.0877,
2.0637


 104.6213, 99.0530,
71.7170

 3.8306, 2.8985,
0.5940

 133.0754,
127.0380, 95.2161

 1.6067, 1.0790,
0.0000

166.2709,
159.8523, 123.3580

 0.3968, 0.0000,
0.0000

204.5729,

 0.0000, 0.0000,

197.8802, 156.5613

0.0000

248.3469,
241.5062, 195.2444

■ 30.9101, 27.7175,
15.7775

■ 30.9101, 27.7175,
15.7775

■ 28.5832, 24.3497,
11.0374

■ 33.6340, 31.5467,
21.6753

■ 26.6303, 21.4207,
7.3755

■ 36.7718, 35.8507,
28.7999

■ 25.0292, 18.9118,
4.7043


■ 40.3422, 40.6473,
37.2170


■ 23.7538, 16.8012,
2.9221


■ 44.3618, 45.9519,
46.9867

■ 22.7713, 15.0633,
1.8940


■ 48.8462, 51.7796,
58.1658

 22.4794, 14.5365,
1.6210

 53.8106, 58.1445,
70.8075

 59.2691, 65.0602,
84.9623

 65.2354, 72.5401,
100.6784

 69.5061, 79.7101,
106.3300

Harmonies

Analogous

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



33.7681, 27.7175, 22.0026



30.9101, 27.7175, 15.7775



27.0223, 27.7175, 13.4178

Triad

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



30.9101, 27.7175, 15.7775



19.5460, 27.7175, 28.2958



29.6334, 27.7175, 54.2211

Complementary

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



30.9101, 27.7175, 15.7775



26.1132, 30.0730, 51.4420

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.



25.6784, 27.7175, 57.0928



30.9101, 27.7175, 15.7775



20.0976, 27.7175, 40.1666

Square

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



30.9101, 27.7175, 15.7775



20.6639, 27.7175, 19.4115



22.2525, 27.7175, 51.4265



32.9814, 27.7175, 44.3361

Rectangle

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



30.9101, 27.7175, 15.7775



24.4627, 27.7175, 13.7908



22.2525, 27.7175, 51.4265



28.3207, 27.7175, 56.1276

Sweetspot

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



30.9108, 27.7189, 15.7780



73.8342, 74.8999, 70.4565



31.0983, 22.0984, 34.3238



15.9303, 16.0569, 14.7242



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.9108, 27.7189, 15.7780



51.0467, 43.3955, 19.4828



37.9202, 41.7378, 18.1145



9.8009, 10.0778, 10.0053



15.5510, 10.1409, 1.1378



0.6717, 0.5223, 0.0654

Inverse Universe

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



26.1132, 30.0730, 51.4420



41.3495, 48.0676, 91.3000



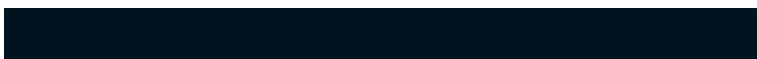
20.1362, 18.1189, 49.4497



9.5148, 10.2218, 12.1437



10.9078, 11.9273, 34.1202



0.4869, 0.5865, 1.3564

Previews

White Background



This preview shows how the XYZ color 30.9101, 27.7175, 15.7775 looks on a white background.

Color Contrast Check

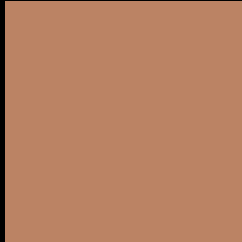
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.9101, 27.7175, 15.7775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

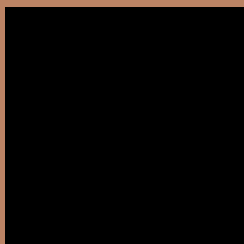
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.9101, 27.7175, 15.7775

Background



This preview shows how black text looks on a background with the XYZ color 30.9101, 27.7175, 15.7775.



This preview shows how white text looks on a background with the XYZ color 30.9101, 27.7175,

15.7775.

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

30.9101, 27.7175, 15.7775

Protanopia

26.0406, 27.9350, 17.3841

Deuteranopia

28.3539, 27.8485, 15.6853



Tritanopia

33.1400, 27.6464, 26.8822

Trichromacy



Original Color

30.9101, 27.7175, 15.7775

Protanomaly

27.6172, 27.6600, 16.7153

Deuteranomaly

29.0476, 27.5759, 15.5961

Tritanomaly

32.2806, 27.6872, 22.3817

Monochromacy



Original Color

30.9101, 27.7175, 15.7775

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.6261, 27.4973, 24.2735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9101, 27.7175, 15.7775 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(187, 131, 100)` looks like.

```
.text, #text, p{  
    color:rgb(187, 131, 100)  
}
```

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(187, 131, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 131, 100) }
```

Border

The CSS property to change the border of an element to XYZ 30.9101, 27.7175, 15.7775 is called "border". The border property can be set on classes, ids or directly on the HTML element.

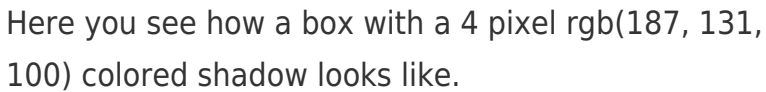
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 131, 100) }
```


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

```
.border{ border-color:rgb(187, 131, 100) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 131, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 131, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 131, 100); box-shadow:4px 4px 4px 4px rgb(187, 131, 100) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9101, 27.7175, 15.7775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 131, 100) }
```

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

```
.background{ background-color: rgb(187,  
131, 100) }
```

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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