

Converting Colors

XYZ(31.7220, 27.4854, 20.5557)

Have a look what the booklet for
XYZ(31.7220, 27.4854, 20.5557)
contains.

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Color

**XYZ(31.6691, 27.4141,
20.4519)**

Conversions

Conversions Part 1

Format	Color
Hex	BC8075
RGB	188, 128, 117
RGB Percent	74%, 50%, 46%
CMY	0.2627, 0.4980, 0.5412
CMYK	0.00, 0.32, 0.38, 0.26
HSL	9°, 35%, 60%
HSV	9°, 38%, 74%
XYZ	31.6691, 27.4141, 20.4519
YIQ	144.6860, 39.2910, 9.2990

Conversions

Conversions Part 2

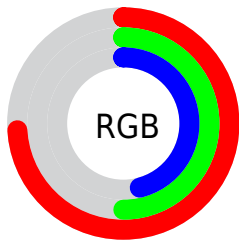
Format	Color
R _Y B	188, 130, 117
Decimal	12353653
CIE Lab	59.36, 21.82, 15.38
CIE LCh	59, 26.701, 35.182
Yxy	27.4141, 0.3982, 0.3447
Android (android.graphics.Color)	4290543733 (0xFFBC8075)
YUV	144.6860, -13.6492, 37.9864
Hunter-Lab	52.3585, 16.3387, 13.4915

Details

The XYZ color **31.6691, 27.4141, 20.4519** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **32.1346, 38.8554, 53.3831**, and the grayscale version is **26.8293, 28.2266, 30.7387**.

A 20% lighter version of the original color is **61.6913, 55.5052, 44.9982**, and **13.4714, 10.8650, 7.0174** is the 20% darker color. If you saturate the color by 10%, you get **28.7604, 23.1916, 14.5657**, and if you desaturate by 10%, it is **35.1256, 32.3769, 27.6165**.

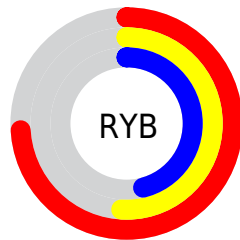
Distribution



Red (74%)

Green (50%)

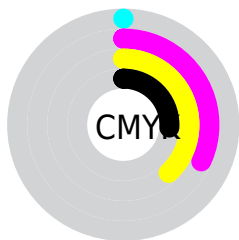
Blue (46%)



Red (74%)

Yellow (51%)

Blue (46%)

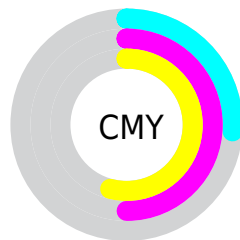


Cyan (0%)

Magenta (32%)

Yellow (38%)

Black (26%)



Cyan (26%)


Magenta (50%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6691, 27.4141, 20.4519 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 31.6691, 27.4141, 20.4519 by changing the saturation by 10% instead.


 31.6691, 27.4141,
20.4519

 31.6691, 27.4141,
20.4519


301.3813,
289.6566, 267.0358

 21.2632, 17.8845,
12.5366

 61.6607, 55.5477,
45.0424

 13.4301, 10.8671,
6.9833


 81.9771, 74.9204,
62.5548

 7.8044, 5.9775,
3.3734


 106.3277, 98.3429,
84.1032

 4.0208, 2.8314,
1.2883

135.0778,
126.1996, 110.1063

 1.7139, 1.0444,
0.0522

168.5929,
158.8750, 140.9825

 0.4649, 0.0000,
0.0000

207.2383,

 0.0000, 0.0000,

196.7533, 177.1505

0.0000

251.3793,
240.2190, 219.0288

■ 31.6691, 27.4141,
20.4519

■ 31.6691, 27.4141,
20.4519

■ 28.7604, 23.1916,
14.5657

■ 35.1256, 32.3769,
27.6165

■ 26.3691, 19.6700,
9.8808

■ 39.1542, 38.1091,
36.1271

■ 24.4647, 16.8122,
6.3144


■ 43.7802, 44.6430,
46.0484


■ 23.0129, 14.5761,
3.7724


■ 49.0267, 52.0079,
57.4405


■ 21.9743, 12.9144,
2.1452


■ 54.9156, 60.2318,
70.3602

 21.2973, 11.7710,
1.2702

 61.4678, 69.3410,
84.8609

 21.1818, 11.5769,
1.1182

 68.7032, 79.3611,
100.9937

 74.5490, 89.4314,
107.9406

Harmonies

Analogous

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



32.9941, 27.4141, 28.2179



31.6691, 27.4141, 20.4519



28.8476, 27.4141, 16.0678

Triad

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



31.6691, 27.4141, 20.4519



20.6482, 27.4141, 22.7719



26.6409, 27.4141, 52.1844

Complementary

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



31.6691, 27.4141, 20.4519



32.1346, 38.8554, 53.3831

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.



23.4511, 27.4141, 49.8623



31.6691, 27.4141, 20.4519



20.1663, 27.4141, 31.5424

Square

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



31.6691, 27.4141, 20.4519



22.5265, 27.4141, 17.1929



21.1492, 27.4141, 41.7578



29.9368, 27.4141, 47.5587

Rectangle

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



31.6691, 27.4141, 20.4519



26.5998, 27.4141, 15.0102



21.1492, 27.4141, 41.7578



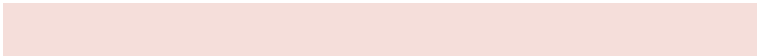
25.5203, 27.4141, 52.1992

Sweetspot

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



31.6698, 27.4154, 20.4524



76.3580, 76.6986, 77.0217



35.0712, 26.6025, 45.0645



16.1735, 16.1451, 16.0330



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.



31.6698, 27.4154, 20.4524



53.1161, 43.4794, 28.3818



37.0739, 38.2235, 22.2538



9.6464, 9.7688, 9.9538



14.4574, 7.9535, 0.7732



0.6046, 0.3881, 0.0430

Inverse Universe

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



32.1346, 38.8554, 53.3831



54.0529, 67.0377, 96.3169



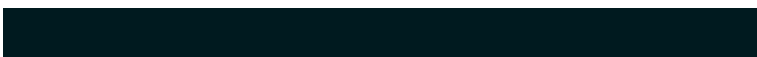
26.0641, 26.7144, 51.3596



9.6792, 10.5508, 12.1986



14.6495, 19.4108, 35.3674



0.6083, 0.8293, 1.3969

Previews

White Background



This preview shows how the XYZ color 31.6691, 27.4141, 20.4519 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 31.6691, 27.4141, 20.4519 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 31.6691, 27.4141, 20.4519

Background



This preview shows how black text looks on a background with the XYZ color 31.6691, 27.4141, 20.4519.



This preview shows how white text looks on a background with the XYZ color 31.6691, 27.4141,

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

31.6691, 27.4141, 20.4519

Protanopia

26.0382, 27.5842, 23.0207

Deuteranopia

28.1193, 27.6303, 20.0708



Tritanopia

32.9420, 27.3637, 26.4672

Trichromacy



Original Color

31.6691, 27.4141, 20.4519

Protanomaly

27.8495, 27.4499, 21.9197

Deuteranomaly

29.3567, 27.4251, 20.2693

Tritanomaly

32.3434, 27.2990, 23.9866

Monochromacy



Original Color

31.6691, 27.4141, 20.4519

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.3037, 27.7916, 26.7942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6691, 27.4141, 20.4519 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(188, 128, 117)` looks like.

```
.text, #text, p{  
    color:rgb(188, 128, 117)  
}
```

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(188, 128, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 128, 117) }
```

Border

The CSS property to change the border of an element to XYZ 31.6691, 27.4141, 20.4519 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(188, 128, 117) }
```


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

```
.border{ border-color:rgb(188, 128, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 128, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 128, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 128, 117);  
box-shadow:4px 4px 4px 4px rgb(188, 128,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6691, 27.4141, 20.4519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 128, 117) }
```

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

```
.background{ background-color: rgb(188,  
128, 117) }
```

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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