

Converting Colors

XYZ(29.8629, 32.4441, 20.6080)

Have a look what the booklet for
XYZ(29.8629, 32.4441, 20.6080)
contains.

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Color

**XYZ(29.8629, 32.4441,
20.6080)**

Conversions

Conversions Part 1

Format	Color
Hex	A39B72
RGB	163, 155, 114
RGB Percent	64%, 61%, 45%
CMY	0.3608, 0.3921, 0.5529
CMYK	0.00, 0.05, 0.30, 0.36
HSL	50°, 21%, 54%
HSV	50°, 30%, 64%
XYZ	29.8629, 32.4441, 20.6080
YIQ	152.7180, 17.9290, -11.0550

Conversions

Conversions Part 2

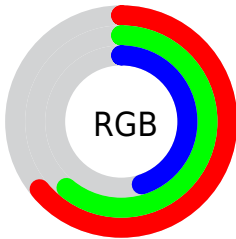
Format	Color
RYB	124, 163, 114
Decimal	10722162
CIELab	63.71, -3.66, 22.60
CIELCh	64, 22.892, 99.192
Yxy	32.4441, 0.3602, 0.3913
Android (android.graphics.Color)	4288912242 (0xFFA39B72)
YUV	152.7180, -19.0880, 9.0173
Hunter-Lab	56.9597, -6.0954, 18.4207

Details

The XYZ color **29.8629, 32.4441, 20.6080** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.5098, 20.1404, 37.4571**, and the grayscale version is **30.2312, 31.8056, 34.6363**.

A 20% lighter version of the original color is **58.5968, 63.2595, 45.1983**, and **12.4892, 13.6735, 7.1352** is the 20% darker color. If you saturate the color by 10%, you get **28.5790, 31.2311, 16.0034**, and if you desaturate by 10%, it is **31.3235, 33.7457, 26.0880**.

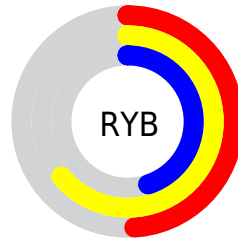
Distribution



Red (64%)

Green (61%)

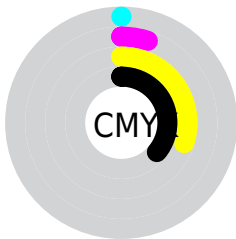
Blue (45%)



Red (49%)

Yellow (64%)

Blue (45%)

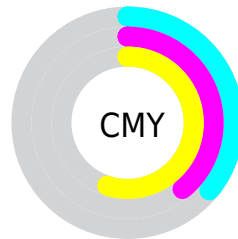


Cyan (0%)

Magenta (5%)

Yellow (30%)

Black (36%)



Cyan (36%)


Magenta (39%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8629, 32.4441, 20.6080 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 29.8629, 32.4441, 20.6080 by changing the saturation by 10% instead.


 29.8629, 32.4441,
20.6080


 29.8629, 32.4441,
20.6080


293.1862,
313.1373, 267.9001


 19.8821, 21.7009,
12.6493


 58.8334, 63.5067,
45.3065


 12.4171, 13.6373,
7.0596


 78.5538, 84.5948,
62.8834

 7.1026, 7.8688,
3.4204


 102.2515,
109.9001, 84.5035

 3.5733, 4.0111,
1.3131

 130.2918,
139.8069, 110.5853

 1.4637, 1.6798,
0.0725

163.0401,
174.6997, 141.5473

 0.3009, 0.4105,
0.0000

200.8616,

 0.0000, 0.0000,

214.9627, 177.8080

0.0000

244.1219,
260.9805, 219.7861

■ 29.8629, 32.4441,
20.6080

■ 29.8629, 32.4441,
20.6080

■ 28.5790, 31.2311,
16.0034

■ 31.3235, 33.7457,
26.0880

■ 27.4606, 30.0986,
12.2260

■ 32.9667, 35.1349,
32.4843

■ 26.4989, 29.0443,
9.2259

■ 34.8008, 36.6162,
39.8376

■ 25.6830, 28.0635,
6.9470

■ 36.8331, 38.1928,
48.1855

■ 25.0009, 27.1515,
5.3256

■ 39.0704, 39.8673,
57.5636

■ 24.4383, 26.3024,
4.2870

■ 41.5193, 41.6425,
68.0059

■ 23.9649, 25.5077,
3.6604

■ 44.1857, 43.5210,
79.5445

■ 47.0758, 45.5051,
92.2105

■ 49.2634, 47.2247,
101.1266

Harmonies

Analogous

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



33.0790, 32.4441, 21.2604



29.8629, 32.4441, 20.6080



27.1037, 32.4441, 23.3346

Triad

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



29.8629, 32.4441, 20.6080



26.3023, 32.4441, 47.6971



36.9655, 32.4441, 41.9755

Complementary

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



29.8629, 32.4441, 20.6080



20.5098, 20.1404, 37.4571

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.



34.8986, 32.4441, 50.8503



29.8629, 32.4441, 20.6080



28.6989, 32.4441, 54.5309

Square

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



29.8629, 32.4441, 20.6080



25.1437, 32.4441, 38.2219



31.8323, 32.4441, 55.7753



37.3310, 32.4441, 32.5804

Rectangle

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



29.8629, 32.4441, 20.6080



25.8401, 32.4441, 27.0342



31.8323, 32.4441, 55.7753



36.4401, 32.4441, 45.1607

Sweetspot

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



29.8637, 32.4456, 20.6087



59.3199, 63.1538, 59.2827



24.6451, 21.2309, 21.2660



13.2252, 14.1034, 12.9278



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.8637, 32.4456, 20.6087



51.9290, 56.6533, 31.2886



28.1077, 33.5818, 20.9206



7.5506, 8.0395, 7.5339



18.6530, 19.8799, 2.8541



0.4166, 0.4670, 0.0682

Inverse Universe

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



20.5098, 20.1404, 37.4571



32.4775, 31.0701, 66.3415



21.8857, 19.4517, 37.2516



6.7895, 7.0381, 8.9037



5.4588, 2.6969, 27.1626



0.1396, 0.1064, 0.5790

Previews

White Background



This preview shows how the XYZ color 29.8629, 32.4441, 20.6080 looks on a white background.

Color Contrast Check

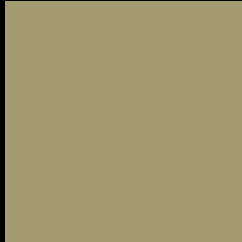
Large Text (above 18pt) WCAG AA × Fail

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 29.8629, 32.4441, 20.6080 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 ✓ Pass

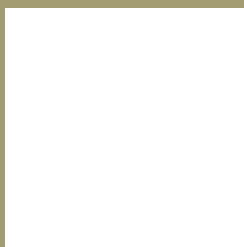
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8629, 32.4441, 20.6080

Background



This preview shows how black text looks on a background with the XYZ color 29.8629, 32.4441, 20.6080.



This preview shows how white text looks on a background with the XYZ color 29.8629, 32.4441,

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

29.8629, 32.4441, 20.6080

Protanopia

30.3187, 32.4331, 20.5818

Deuteranopia

32.9758, 32.3627, 20.7283



Tritanopia

33.5427, 32.5031, 38.2241

Trichromacy



Original Color

29.8629, 32.4441, 20.6080

Protanomaly

30.1099, 32.3254, 20.5721

Deuteranomaly

31.8403, 32.4850, 20.8117

Tritanomaly

32.0370, 32.3623, 30.9436

Monochromacy



Original Color

29.8629, 32.4441, 20.6080

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1204, 32.1434, 29.0429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8629, 32.4441, 20.6080 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(163, 155, 114)` looks like.

```
.text, #text, p{  
    color:rgb(163, 155, 114)  
}
```

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(163, 155, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 155, 114) }
```

Border

The CSS property to change the border of an element to XYZ 29.8629, 32.4441, 20.6080 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(163, 155, 114) }
```


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

```
.border{ border-color:rgb(163, 155, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 155, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 155, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 155, 114);  
box-shadow:4px 4px 4px 4px rgb(163, 155,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8629, 32.4441, 20.6080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 155, 114) }
```

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

```
.background{ background-color: rgb(163,  
155, 114) }
```

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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