

Converting Colors

XYZ(29.6842, 30.8862, 21.2267)

Have a look what the booklet for
XYZ(29.6842, 30.8862, 21.2267)
contains.

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Color

**XYZ(29.6842, 30.8862,
21.2267)**

Conversions

Conversions Part 1

Format	Color
Hex	A69575
RGB	166, 149, 117
RGB Percent	65%, 58%, 46%
CMY	0.3490, 0.4157, 0.5412
CMYK	0.00, 0.10, 0.30, 0.35
HSL	39°, 22%, 55%
HSV	39°, 30%, 65%
XYZ	29.6842, 30.8862, 21.2267
YIQ	150.4350, 20.4040, -6.3480

Conversions

Conversions Part 2

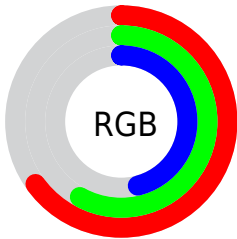
Format	Color
RYB	143, 166, 117
Decimal	10917237
CIELab	62.41, 1.25, 19.22
CIElCh	62, 19.265, 86.270
Yxy	30.8862, 0.3629, 0.3776
Android (android.graphics.Color)	4289107317 (0xFFA69575)
YUV	150.4350, -16.4835, 13.6505
Hunter-Lab	55.5754, -1.9155, 16.2573

Details

The XYZ color **29.6842, 30.8862, 21.2267** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.7440, 23.5846, 39.4301**, and the grayscale version is **29.2368, 30.7594, 33.4970**.

A 20% lighter version of the original color is **58.6416, 61.1060, 46.2400**, and **12.2211, 12.6634, 7.2690** is the 20% darker color. If you saturate the color by 10%, you get **27.9051, 28.7538, 16.2379**, and if you desaturate by 10%, it is **31.6830, 33.1807, 27.1434**.

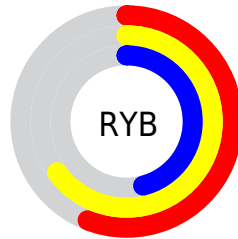
Distribution



Red (65%)

Green (58%)

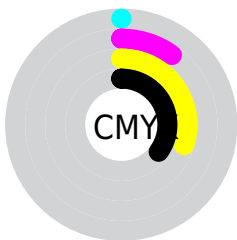
Blue (46%)



Red (56%)

Yellow (65%)

Blue (46%)

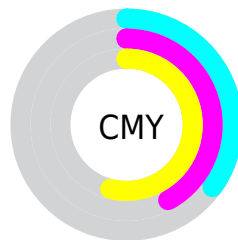


Cyan (0%)

Magenta (10%)

Yellow (30%)

Black (35%)



Cyan (35%)


Magenta (42%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6842, 30.8862, 21.2267 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 29.6842, 30.8862, 21.2267 by changing the saturation by 10% instead.


 29.6842, 30.8862,
21.2267


 29.6842, 30.8862,
21.2267


292.3660,
306.0137, 271.3013


 19.7459, 20.5122,
13.0970


 58.5525, 61.0609,
46.3502

 12.3177, 12.7679,
7.3638


 78.2131, 81.6303,
64.1810

 7.0341, 7.2689,
3.6088

 101.8453,
106.3671, 86.0827

 3.5300, 3.6308,
1.4133

129.8143,
135.6555, 112.4736

 1.4398, 1.4693,
0.1520

162.4855,
169.8799, 143.7724

 0.2843, 0.2670,
0.0000

200.2243,

 0.0000, 0.0000,

209.4249, 180.3976

0.0000

243.3960,
254.6747, 222.7677

■ 29.6842, 30.8862,
21.2267

■ 29.6842, 30.8862,
21.2267

■ 27.9051, 28.7538,
16.2379

■ 31.6830, 33.1807,
27.1434

■ 26.3336, 26.7744,
12.1268

■ 33.9083, 35.6378,
34.0308

■ 24.9598, 24.9441,
8.8411

■ 36.3695, 38.2634,
41.9317

■ 23.7720, 23.2571,
6.3222

■ 39.0744, 41.0614,
50.8853

■ 22.7570, 21.7071,
4.5039

■ 42.0309, 44.0361,
60.9290

■ 21.8992, 20.2866,
3.3084

■ 45.2461, 47.1912,
72.0982

■ 21.1668, 18.9818,
2.5712

■ 48.7271, 50.5304,
84.4269

■ 21.1329, 18.9210,
2.5383

■ 52.4805, 54.0574,
97.9474

■ 54.6220, 57.0192,
102.7347

Harmonies

Analogous

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



32.2331, 30.8862, 23.0341



29.6842, 30.8862, 21.2267



27.1901, 30.8862, 22.3150

Triad

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



29.6842, 30.8862, 21.2267



25.0810, 30.8862, 40.4028



33.7324, 30.8862, 42.2614

Complementary

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



29.6842, 30.8862, 21.2267



22.7440, 23.5846, 39.4301

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.



31.6348, 30.8862, 48.2395



29.6842, 30.8862, 21.2267



26.6562, 30.8862, 47.0596

Square

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



29.6842, 30.8862, 21.2267



24.6266, 30.8862, 32.7032



29.0310, 30.8862, 50.1131



34.6561, 30.8862, 34.5738

Rectangle

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



29.6842, 30.8862, 21.2267



25.8763, 30.8862, 24.6384



29.0310, 30.8862, 50.1131



33.1354, 30.8862, 44.5792

Sweetspot

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



29.6850, 30.8876, 21.2273



61.6894, 64.8408, 62.2333



26.4010, 22.5553, 25.5716



13.6714, 14.3651, 13.5058



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.6850, 30.8876, 21.2273



51.8484, 53.6492, 32.7781



31.0761, 35.8921, 22.1200



7.9245, 8.3291, 7.9793



16.4324, 14.7620, 1.9833



0.4448, 0.4492, 0.0633

Inverse Universe

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



22.7440, 23.5846, 39.4301



37.3129, 38.3610, 70.9131



21.6074, 19.7873, 38.7570



7.3367, 7.7103, 9.5199



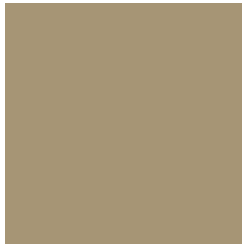
6.5344, 4.5290, 28.5053



0.2067, 0.2056, 0.7094

Previews

White Background



This preview shows how the XYZ color 29.6842, 30.8862, 21.2267 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 29.6842, 30.8862, 21.2267 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

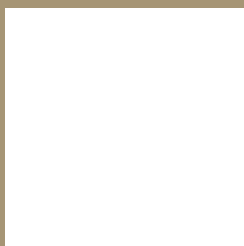
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6842, 30.8862, 21.2267

Background



This preview shows how black text looks on a background with the XYZ color 29.6842, 30.8862, 21.2267.



This preview shows how white text looks on a background with the XYZ color 29.6842, 30.8862,

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

29.6842, 30.8862, 21.2267

Protanopia

29.0346, 31.0183, 21.5964

Deuteranopia

31.5269, 30.9059, 21.4433



Tritanopia

32.4672, 30.8591, 35.2555

Trichromacy



Original Color

29.6842, 30.8862, 21.2267

Protanomaly

29.2806, 30.9072, 21.5620

Deuteranomaly

30.7825, 30.7500, 21.4525

Tritanomaly

31.4488, 30.9159, 29.5091

Monochromacy



Original Color

29.6842, 30.8862, 21.2267

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.2041, 30.7156, 28.4342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6842, 30.8862, 21.2267 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(166, 149, 117)` looks like.

```
.text, #text, p{  
    color:rgb(166, 149, 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(166, 149, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 149, 117) }
```

Border

The CSS property to change the border of an element to XYZ 29.6842, 30.8862, 21.2267 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(166, 149, 117) }
```


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

```
.border{ border-color:rgb(166, 149, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 149, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 149, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 149, 117);  
box-shadow:4px 4px 4px 4px rgb(166, 149,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6842, 30.8862, 21.2267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 149, 117) }
```

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

```
.background{ background-color: rgb(166,  
149, 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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