

Converting Colors

XYZ(33.3237, 32.4585, 21.1976)

Have a look what the booklet for
XYZ(33.3237, 32.4585, 21.1976)
contains.

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Color

**XYZ(33.3292, 32.5314,
21.3522)**

Conversions

Conversions Part 1

Format	Color
Hex	B79475
RGB	183, 148, 117
RGB Percent	72%, 58%, 46%
CMY	0.2824, 0.4196, 0.5412
CMYK	0.00, 0.19, 0.36, 0.28
HSL	28°, 31%, 59%
HSV	28°, 36%, 72%
XYZ	33.3292, 32.5314, 21.3522
YIQ	154.9310, 30.8110, -2.2210

Conversions

Conversions Part 2

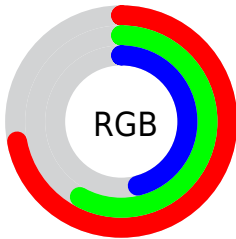
Format	Color
RYB	183, 175, 117
Decimal	12031093
CIELab	63.78, 8.71, 21.36
CIELCh	64, 23.063, 67.815
Yxy	32.5314, 0.3822, 0.3730
Android (android.graphics.Color)	4290221173 (0xFFB79475)
YUV	154.9310, -18.7000, 24.6165
Hunter-Lab	57.0363, 4.4931, 17.7295

Details

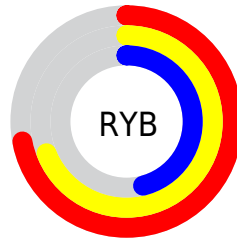
The XYZ color **33.3292, 32.5314, 21.3522** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.1113, 29.6563, 49.0951**, and the grayscale version is **31.1964, 32.8211, 35.7421**.

A 20% lighter version of the original color is **64.2171, 63.6309, 46.4335**, and **14.3713, 13.6339, 7.3430** is the 20% darker color. If you saturate the color by 10%, you get **30.8981, 29.2259, 15.7423**, and if you desaturate by 10%, it is **36.1000, 36.1793, 28.1137**.

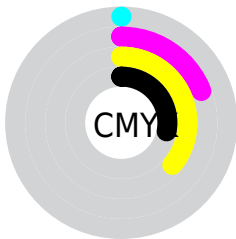
Distribution



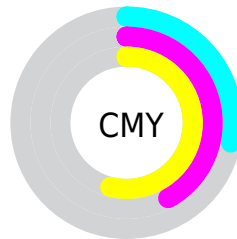
- Red (72%)
- Green (58%)
- Blue (46%)



- Red (72%)
- Yellow (69%)
- Blue (46%)



- Cyan (0%)
- Magenta (19%)
- Yellow (36%)
- Black (28%)





- Cyan (28%)
- Magenta (42%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3292, 32.5314, 21.3522 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 33.3292, 32.5314, 21.3522 by changing the saturation by 10% instead.


 33.3292, 32.5314,
21.3522


 33.3292, 32.5314,
21.3522


308.7693,
313.5329, 271.9866


 22.5392, 21.7677,
13.1879

 64.2404, 63.6432,
46.5613

 14.3724, 13.6863,
7.4258


 85.0923, 84.7602,
64.4433

 8.4636, 7.9028,
3.6474


 110.0289,
110.0970, 86.4016

 4.4473, 4.0328,
1.4340

139.4155,
140.0380, 112.8547

 1.9582, 1.6919,
0.1680

173.6175,
174.9678, 144.2212

 0.6103, 0.4184,
0.0000

213.0002,

 0.0000, 0.0000,

215.2706, 180.9197

0.0000

257.9291,
261.3308, 223.3687

■ 33.3292, 32.5314,
21.3522

■ 33.3292, 32.5314,
21.3522

■ 30.8981, 29.2259,
15.7423

■ 36.1000, 36.1793,
28.1137

■ 28.7886, 26.2471,
11.2163

■ 39.2223, 40.1756,
36.0855

■ 26.9850, 23.5847,
7.7021

■ 42.7102, 44.5318,
45.3245

■ 25.4683, 21.2257,
5.1180

■ 46.5766, 49.2575,
55.8835

■ 24.2175, 19.1559,
3.3694

■ 50.8333, 54.3618,
67.8121

■ 23.2058, 17.3590,
2.3343

■ 55.4918, 59.8536,
81.1576

■ 22.8534, 16.7173,
2.0223

■ 60.5630, 65.7413,
95.9647

■ 64.6749, 71.4803,
104.9961

■ 67.3830, 76.8964,
105.8988

Harmonies

Analogous

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



36.0997, 32.5314, 25.5820



33.3292, 32.5314, 21.3522



30.0819, 32.5314, 20.5396

Triad

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



33.3292, 32.5314, 21.3522



25.1572, 32.5314, 37.8994



34.8933, 32.5314, 51.4430

Complementary

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



33.3292, 32.5314, 21.3522



27.1113, 29.6563, 49.0951

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.



31.7738, 32.5314, 56.1668



33.3292, 32.5314, 21.3522



26.2613, 32.5314, 47.5062

Square

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



33.3292, 32.5314, 21.3522



25.5099, 32.5314, 29.1105



28.6300, 32.5314, 54.6128



37.0458, 32.5314, 42.5837

Rectangle

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



33.3292, 32.5314, 21.3522



28.1072, 32.5314, 21.8843



28.6300, 32.5314, 54.6128



33.9148, 32.5314, 53.6317

Sweetspot

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



33.3300, 32.5329, 21.3529



73.2137, 75.6820, 72.4191



31.5738, 25.0638, 32.9657



15.9862, 16.4851, 15.5080



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.3300, 32.5329, 21.3529



56.3104, 53.6840, 30.3807



39.2226, 44.3181, 23.3171



9.3431, 9.6891, 9.4847



16.0106, 11.7975, 1.4333



0.6264, 0.5400, 0.0712

Inverse Universe

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



27.1113, 29.6563, 49.0951



43.5787, 47.7902, 87.1633



22.5044, 20.4425, 47.5594



8.9047, 9.4866, 11.4412



9.0163, 8.4922, 32.4170



0.3792, 0.4222, 1.1632

Previews

White Background



This preview shows how the XYZ color 33.3292, 32.5314, 21.3522 looks on a white background.

Color Contrast Check

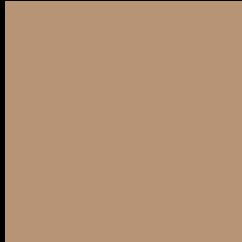
Large Text (above 18pt) WCAG AA × Fail

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 33.3292, 32.5314, 21.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

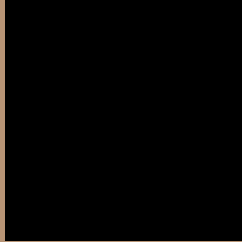
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3292, 32.5314, 21.3522

Background



This preview shows how black text looks on a background with the XYZ color 33.3292, 32.5314, 21.3522.



This preview shows how white text looks on a background with the XYZ color 33.3292, 32.5314,

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

33.3292, 32.5314, 21.3522

Protanopia

30.4628, 32.4666, 22.4304

Deuteranopia

33.0922, 32.4092, 21.3411



Tritanopia

36.1487, 32.5428, 34.9480

Trichromacy



Original Color

33.3292, 32.5314, 21.3522

Protanomaly

31.5713, 32.5590, 22.0733

Deuteranomaly

33.0922, 32.4092, 21.3411

Tritanomaly

35.1828, 32.6130, 29.6399

Monochromacy



Original Color

33.3292, 32.5314, 21.3522

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.5530, 32.3789, 29.7860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3292, 32.5314, 21.3522 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(183, 148, 117)` looks like.

```
.text, #text, p{  
    color:rgb(183, 148, 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(183, 148, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 148, 117) }
```

Border

The CSS property to change the border of an element to XYZ 33.3292, 32.5314, 21.3522 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(183, 148, 117) }
```


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

```
.border{ border-color:rgb(183, 148, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 148, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 148, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 148, 117);  
box-shadow:4px 4px 4px 4px rgb(183, 148,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3292, 32.5314, 21.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 148, 117) }
```

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

```
.background{ background-color: rgb(183,  
148, 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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