

Converting Colors

XYZ(29.6933, 25.3332, 12.4441)

Have a look what the booklet for
XYZ(29.6933, 25.3332, 12.4441)
contains.

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Color

**XYZ(29.5439, 25.1817,
12.3202)**

Conversions

Conversions Part 1

Format	Color
Hex	BD7957
RGB	189, 121, 87
RGB Percent	74%, 47%, 34%
CMY	0.2588, 0.5255, 0.6588
CMYK	0.00, 0.36, 0.54, 0.26
HSL	20°, 44%, 54%
HSV	20°, 54%, 74%
XYZ	29.5439, 25.1817, 12.3202
YIQ	137.4560, 51.4420, 3.8420

Conversions

Conversions Part 2

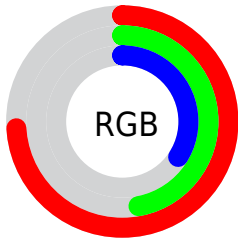
Format	Color
R_{YB}	189, 138, 87
Decimal	12417367
CIE _{Lab}	57.25, 22.96, 29.56
CIE _{LCh}	57, 37.429, 52.168
Yxy	25.1817, 0.4407, 0.3756
Android (android.graphics.Color)	4290607447 (0xFFBD7957)
YUV	137.4560, -24.8748, 45.2041
Hunter-Lab	50.1814, 17.2731, 20.5705

Details

The XYZ color **29.5439, 25.1817, 12.3202** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **24.8363, 29.1414, 52.4596**, and the grayscale version is **24.0289, 25.2803, 27.5302**.

A 20% lighter version of the original color is **58.3628, 52.0347, 30.6346**, and **12.2333, 9.7004, 3.3254** is the 20% darker color. If you saturate the color by 10%, you get **27.4381, 22.0484, 8.2946**, and if you desaturate by 10%, it is **32.0530, 28.7984, 17.4779**.

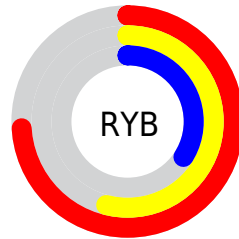
Distribution



Red (74%)

Green (47%)

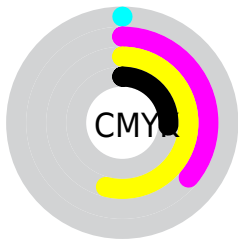
Blue (34%)



Red (74%)

Yellow (54%)

Blue (34%)

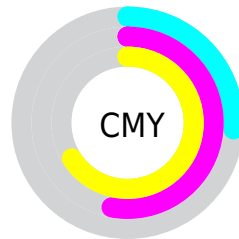


Cyan (0%)

Magenta (36%)

Yellow (54%)

Black (26%)



Cyan (26%)


Magenta (53%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5439, 25.1817, 12.3202 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 29.5439, 25.1817, 12.3202 by changing the saturation by 10% instead.


 29.5439, 25.1817,
12.3202


 29.5439, 25.1817,
12.3202


291.7208,
278.7416, 217.5663


 19.6390, 16.2125,
6.8370

 58.3317, 51.9518,
30.7500

 12.2396, 9.6746,
3.2834


 77.9454, 70.5215,
44.5337


 6.9805, 5.1838,
1.2411


 101.5260, 93.0602,
61.9213

 3.4961, 2.3555,
0.0128

 129.4389,
119.9522, 83.3313

 1.4212, 0.8028,
0.0000

 162.0495,
151.5820, 109.1822

 0.2713, 0.0000,
0.0000

199.7231,

 0.0000, 0.0000,

188.3339, 139.8927

0.0000

242.8250,
230.5923, 175.8812

■ 29.5439, 25.1817,
12.3202

■ 29.5439, 25.1817,
12.3202

■ 27.4381, 22.0484,
8.2946

■ 32.0530, 28.7984,
17.4779

■ 25.7101, 19.3728,
5.3123

■ 34.9854, 32.9149,
23.8447

■ 24.3336, 17.1325,
3.2729

■ 38.3615, 37.5517,
31.4922

■ 23.2774, 15.3008,
2.0554

■ 42.2002, 42.7266,
40.4860

■ 22.7641, 14.3748,
1.5748

■ 46.5187, 48.4568,
50.8872

■ 51.3338, 54.7586,
62.7533

■ 56.6612, 61.6476,
76.1383

■ 62.5158, 69.1388,
91.0937

■ 68.5721, 77.1106,
105.8774

Harmonies

Analogous

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



32.7141, 25.1817, 19.2107



29.5439, 25.1817, 12.3202



25.1132, 25.1817, 9.6652

Triad

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



29.5439, 25.1817, 12.3202



16.4536, 25.1817, 24.2291



27.2920, 25.1817, 56.7563

Complementary

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



29.5439, 25.1817, 12.3202



24.8363, 29.1414, 52.4596

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.



22.7932, 25.1817, 59.3523



29.5439, 25.1817, 12.3202



16.8855, 25.1817, 37.6836

Square

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



29.5439, 25.1817, 12.3202



17.8215, 25.1817, 15.0201



19.0842, 25.1817, 51.5301



31.3062, 25.1817, 45.2526

Rectangle

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



29.5439, 25.1817, 12.3202



22.1848, 25.1817, 9.8259



19.0842, 25.1817, 51.5301



25.7738, 25.1817, 58.8180

Sweetspot

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



29.5445, 25.1830, 12.3207



73.9331, 74.3163, 68.6062



30.3108, 20.0019, 33.2735



15.5888, 15.5644, 14.0231



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.



29.5445, 25.1830, 12.3207



48.4465, 38.4298, 13.6009



37.4589, 41.0118, 14.9588



9.7831, 10.0421, 9.9993



15.3801, 9.7989, 1.0808



0.6638, 0.5066, 0.0628

Inverse Universe

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



24.8363, 29.1414, 52.4596



39.0545, 46.1342, 93.0726



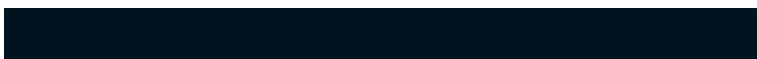
18.0662, 15.6012, 50.2029



9.5333, 10.2590, 12.1499



11.2718, 12.6553, 34.2415



0.4993, 0.6113, 1.3605

Previews

White Background



This preview shows how the XYZ color 29.5439, 25.1817, 12.3202 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 29.5439, 25.1817, 12.3202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

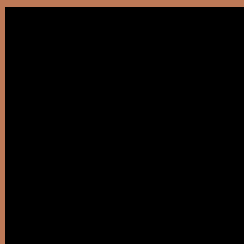
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.5439, 25.1817, 12.3202

Background



This preview shows how black text looks on a background with the XYZ color 29.5439, 25.1817, 12.3202.



This preview shows how white text looks on a background with the XYZ color 29.5439, 25.1817,

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

29.5439, 25.1817, 12.3202

Protanopia

23.5033, 25.3747, 14.2487

Deuteranopia

25.8273, 25.3739, 12.1307



Tritanopia

31.6853, 25.1779, 22.5919

Trichromacy



Original Color

29.5439, 25.1817, 12.3202

Protanomaly

25.4494, 25.1504, 13.4107

Deuteranomaly

27.0781, 25.2242, 12.2457

Tritanomaly

30.8335, 25.1809, 18.2742

Monochromacy



Original Color

29.5439, 25.1817, 12.3202

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.1564, 24.6324, 20.8814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5439, 25.1817, 12.3202 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(189, 121, 87)` looks like.

```
.text, #text, p{  
    color:rgb(189, 121, 87)  
}
```

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(189, 121, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 121, 87) }
```

Border

The CSS property to change the border of an element to XYZ 29.5439, 25.1817, 12.3202 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(189, 121, 87) }
```


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

```
.border{ border-color:rgb(189, 121, 87) }
```

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

Here you see how a box with a 4 pixel rgb(189, 121, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 121, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 121, 87);  
box-shadow:4px 4px 4px 4px rgb(189, 121,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5439, 25.1817, 12.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 121, 87) }
```

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

```
.background{ background-color: rgb(189,  
121, 87) }
```

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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