

Converting Colors

XYZ(25.2004, 28.8979, 8.0180)

Have a look what the booklet for
XYZ(25.2004, 28.8979, 8.0180)
contains.

XYZ(25.1716, 28.8483, 7.9830)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.1716, 28.8483,
7.9830)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9538
RGB	156, 149, 56
RGB Percent	61%, 58%, 22%
CMY	0.3882, 0.4157, 0.7804
CMYK	0.00, 0.04, 0.64, 0.39
HSL	56°, 47%, 42%
HSV	56°, 64%, 61%
XYZ	25.1716, 28.8483, 7.9830
YIQ	140.4910, 34.0250, -27.4390

Conversions

Conversions Part 2

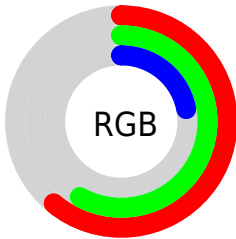
Format	Color
RYB	64, 156, 56
Decimal	10261816
CIELab	60.65, -9.29, 48.44
CIELCh	61, 49.325, 100.852
Yxy	28.8483, 0.4060, 0.4653
Android (android.graphics.Color)	4288451896 (0xFF9C9538)
YUV	140.4910, -41.6541, 13.6014
Hunter-Lab	53.7106, -10.3391, 28.7852

Details

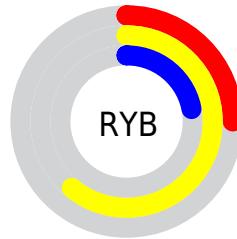
The XYZ color **25.1716, 28.8483, 7.9830** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.4093, 6.7960, 32.2683**, and the grayscale version is **25.2672, 26.5831, 28.9490**.

A 20% lighter version of the original color is **51.4504, 57.9195, 22.3778**, and **9.9413, 11.7485, 1.7437** is the 20% darker color. If you saturate the color by 10%, you get **24.6764, 28.3763, 6.2202**, and if you desaturate by 10%, it is **25.7887, 29.3738, 10.3737**.

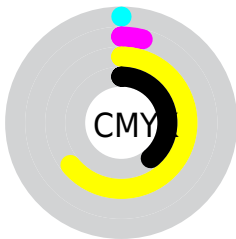
Distribution



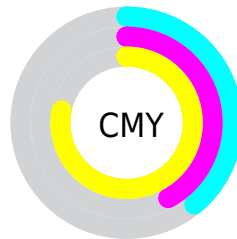
- Red (61%)
- Green (58%)
- Blue (22%)



- Red (25%)
- Yellow (61%)
- Blue (22%)



- Cyan (0%)
- Magenta (4%)
- Yellow (64%)
- Black (39%)



- Cyan (39%)
- Magenta (42%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1716, 28.8483, 7.9830 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 25.1716, 28.8483, 7.9830 by changing the saturation by 10% instead.

■ 25.1716, 28.8483,
7.9830

■ 25.1716, 28.8483,
7.9830

271.0233,
296.4985, 185.5282

■ 16.3344, 18.9661,
3.9965

■ 51.3764, 57.8360,
22.4707

■ 9.8534, 11.6458,
1.6234

■ 69.4746, 77.7102,
33.8090

■ 5.3634, 6.5030,
0.3074

■ 91.3905, 101.6840,
48.4349

■ 2.4989, 3.1533,
0.0000

■ 117.4895,
130.1416, 66.7670

■ 0.8947, 1.2123,
0.0000

■ 148.1370,
163.4674, 89.2239

■ 0.0000, 0.0717,
0.0000

■ 183.6982,

■ 0.0000, 0.0000,

202.0459, 116.2240

0.0000

224.5385,
246.2615, 148.1859

■ 25.1716, 28.8483,
7.9830

■ 25.1716, 28.8483,
7.9830

■ 24.6764, 28.3763,
6.2202

■ 25.7887, 29.3738,
10.3737

■ 24.2896, 27.9491,
5.0231

■ 26.5356, 29.9528,
13.4433

■ 23.9980, 27.5627,
4.3196

■ 27.4221, 30.5901,
17.2394

■ 23.8488, 27.3450,
4.0211

■ 28.4562, 31.2892,
21.8050

■ 29.6454, 32.0529,
27.1797

■ 30.9969, 32.8842,
33.4004

■ 32.5171, 33.7855,
40.5017

■ 34.2123, 34.7595,
48.5163

■ 36.0884, 35.8085,
57.4751

Harmonies

Analogous

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



31.6483, 28.8483, 8.5231



25.1716, 28.8483, 7.9830



20.1452, 28.8483, 11.6108

Triad

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



25.1716, 28.8483, 7.9830



19.1395, 28.8483, 60.4915



40.7344, 28.8483, 44.4178

Complementary

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



25.1716, 28.8483, 7.9830



9.4093, 6.7960, 32.2683

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.



36.2627, 28.8483, 66.2333



25.1716, 28.8483, 7.9830



23.5852, 28.8483, 77.7299

Square

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



25.1716, 28.8483, 7.9830



17.0400, 28.8483, 38.5092



29.7973, 28.8483, 80.1642



41.3360, 28.8483, 25.2433

Rectangle

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



25.1716, 28.8483, 7.9830



18.0313, 28.8483, 17.2053



29.7973, 28.8483, 80.1642



39.6048, 28.8483, 51.8453

Sweetspot

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



25.1723, 28.8496, 7.9836



52.6692, 57.4706, 44.0289



16.0596, 10.2706, 6.0368



11.4657, 12.5659, 9.1308



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



25.1723, 28.8496, 7.9836



44.4856, 51.1865, 10.2162



19.5854, 27.6624, 8.0489



7.1304, 7.6409, 7.0847



19.6546, 22.5447, 3.3157



0.3621, 0.4244, 0.0628

Inverse Universe

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



9.4093, 6.7960, 32.2683



13.5762, 7.9791, 57.9513



12.4164, 7.8072, 32.3050



6.3202, 6.5061, 8.3294



5.0512, 2.1940, 26.0645



0.1000, 0.0586, 0.4693

Previews

White Background



This preview shows how the XYZ color 25.1716, 28.8483, 7.9830 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 25.1716, 28.8483, 7.9830 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 25.1716, 28.8483, 7.9830

Background



This preview shows how black text looks on a background with the XYZ color 25.1716, 28.8483, 7.9830.



This preview shows how white text looks on a background with the XYZ color 25.1716, 28.8483,

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

25.1716, 28.8483, 7.9830

Protanopia

26.2276, 28.9298, 7.8161

Deuteranopia

29.3134, 28.7261, 8.1374



Tritanopia

30.1929, 28.8507, 32.8316

Trichromacy



Original Color

25.1716, 28.8483, 7.9830

Protanomaly

25.7767, 28.9292, 7.8398

Deuteranomaly

27.8198, 28.8346, 8.1024

Tritanomaly

27.6728, 28.4829, 20.5622

Monochromacy



Original Color

25.1716, 28.8483, 7.9830

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.4368, 26.8600, 18.3645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1716, 28.8483, 7.9830 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(156, 149, 56)` looks like.

```
.text, #text, p{  
    color:rgb(156, 149, 56)  
}
```

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(156, 149, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 149, 56) }
```

Border

The CSS property to change the border of an element to XYZ 25.1716, 28.8483, 7.9830 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(156, 149, 56) }
```


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

```
.border{ border-color:rgb(156, 149, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 149, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 149, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 149, 56);  
box-shadow:4px 4px 4px 4px rgb(156, 149,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1716, 28.8483, 7.9830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 149, 56) }
```

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

```
.background{ background-color: rgb(156,  
149, 56) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor