

Converting Colors

XYZ(28.7941, 28.4651, 7.8481)

Have a look what the booklet for
XYZ(28.7941, 28.4651, 7.8481)
contains.

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Color

**XYZ(28.7935, 28.4639,
7.8474)**

Conversions

Conversions Part 1

Format	Color
Hex	B48B39
RGB	180, 139, 57
RGB Percent	71%, 55%, 22%
CMY	0.2941, 0.4549, 0.7765
CMYK	0.00, 0.23, 0.68, 0.29
HSL	40°, 52%, 46%
HSV	40°, 68%, 71%
XYZ	28.7935, 28.4639, 7.8474
YIQ	141.9110, 50.7580, -16.8100

Conversions

Conversions Part 2

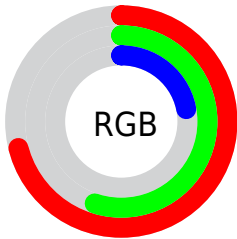
Format	Color
R_{YB}	119, 180, 57
Decimal	11832121
CIE _{Lab}	60.31, 6.90, 48.33
CIE _{LCh}	60, 48.821, 81.871
Yxy	28.4639, 0.4423, 0.4372
Android (android.graphics.Color)	4290022201 (0xFFB48B39)
YUV	141.9110, -41.8611, 33.4041
Hunter-Lab	53.3516, 2.9701, 28.6252

Details

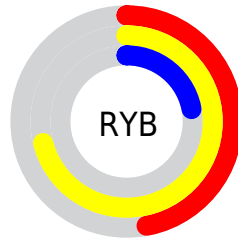
The XYZ color **28.7935, 28.4639, 7.8474** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **14.2931, 12.9000, 44.9164**, and the grayscale version is **25.8229, 27.1677, 29.5856**.

A 20% lighter version of the original color is **57.1530, 57.1327, 22.2028**, and **11.7408, 11.3557, 1.5731** is the 20% darker color. If you saturate the color by 10%, you get **27.5768, 26.6263, 5.6056**, and if you desaturate by 10%, it is **30.2184, 30.4633, 10.9444**.

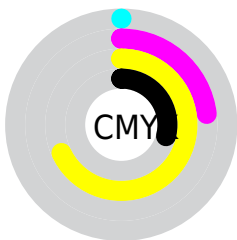
Distribution



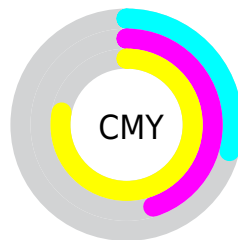
- Red (71%)
- Green (55%)
- Blue (22%)



- Red (47%)
- Yellow (71%)
- Blue (22%)



- Cyan (0%)
- Magenta (23%)
- Yellow (68%)
- Black (29%)



- Cyan (29%)
- Magenta (45%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7935, 28.4639, 7.8474 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 28.7935, 28.4639, 7.8474 by changing the saturation by 10% instead.

■ 28.7935, 28.4639,
7.8474

■ 28.7935, 28.4639,
7.8474

288.2512,
294.6770, 184.4198

■ 19.0682, 18.6756,
3.9111

■ 57.1487, 57.2242,
22.2000

■ 11.8238, 11.4361,
1.5767

■ 76.5092, 76.9651,
33.4533

■ 6.6952, 6.3610,
0.2741

■ 99.8122, 100.7923,
47.9827

■ 3.3168, 3.0658,
0.0000

■ 127.4230,
129.0902, 66.2067

■ 1.3234, 1.1662,
0.0000

■ 159.7069,
162.2433, 88.5439

■ 0.2007, 0.0338,
0.0000

■ 197.0294,

■ 0.0000, 0.0000,

200.6358, 115.4128

0.0000

239.7557,
244.6523, 147.2319

■ 28.7935, 28.4639,
7.8474

■ 28.7935, 28.4639,
7.8474

■ 27.5768, 26.6263,
5.6056

■ 30.2184, 30.4633,
10.9444

■ 26.5478, 24.9377,
4.1238

■ 31.8653, 32.6279,
14.9748

■ 25.6769, 23.3862,
3.2469

■ 33.7491, 34.9659,
20.0099

■ 25.5395, 23.1376,
3.1199

■ 35.8824, 37.4834,
26.1135

■ 38.2772, 40.1864,
33.3440

■ 40.9441, 43.0802,
41.7557

■ 43.8936, 46.1701,
51.3992

■ 47.1354, 49.4608,
62.3222

■ 50.6784, 52.9573,
74.5699

Harmonies

Analogous

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



35.1950, 28.4639, 11.0033



28.7935, 28.4639, 7.8474



22.8097, 28.4639, 8.7341

Triad

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



28.7935, 28.4639, 7.8474



17.3433, 28.4639, 45.7042



37.6804, 28.4639, 57.5489

Complementary

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



28.7935, 28.4639, 7.8474



14.2931, 12.9000, 44.9164

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.



31.7948, 28.4639, 75.3040



28.7935, 28.4639, 7.8474



20.2766, 28.4639, 66.8265

Square

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



28.7935, 28.4639, 7.8474



16.7945, 28.4639, 26.3654



25.3862, 28.4639, 79.2323



40.8187, 28.4639, 36.1313

Rectangle

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



28.7935, 28.4639, 7.8474



19.7833, 28.4639, 11.7457



25.3862, 28.4639, 79.2323



35.9182, 28.4639, 64.4379

Sweetspot

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



28.7942, 28.4653, 7.8480



68.4932, 71.8542, 57.6556



22.4902, 13.5116, 12.9783



14.5397, 15.2341, 11.6580



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.7942, 28.4653, 7.8480



49.0164, 46.6938, 8.6413



31.4572, 40.3599, 10.0035



8.9537, 9.4199, 8.9988



17.8888, 16.2761, 2.1988



0.6138, 0.6140, 0.0862

Inverse Universe

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



14.2931, 12.9000, 44.9164



21.0915, 16.8515, 80.4356



12.8026, 7.8205, 44.0145



8.2657, 8.6776, 10.7456



6.9334, 4.6671, 30.6724



0.2732, 0.2569, 0.9834

Previews

White Background



This preview shows how the XYZ color 28.7935, 28.4639, 7.8474 looks on a white background.

Color Contrast Check

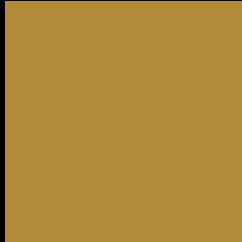
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7935, 28.4639, 7.8474 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 28.7935, 28.4639, 7.8474

Background



This preview shows how black text looks on a background with the XYZ color 28.7935, 28.4639, 7.8474.



This preview shows how white text looks on a background with the XYZ color 28.7935, 28.4639,

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

28.7935, 28.4639, 7.8474

Protanopia

25.9686, 28.5549, 8.2806

Deuteranopia

28.8831, 28.2961, 7.8103



Tritanopia

32.9660, 28.2978, 28.5355

Trichromacy



Original Color

28.7935, 28.4639, 7.8474

Protanomaly

26.9484, 28.3854, 8.0616

Deuteranomaly

28.8831, 28.2961, 7.8103

Tritanomaly

30.9692, 28.0912, 18.5417

Monochromacy



Original Color

28.7935, 28.4639, 7.8474

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.1044, 27.2654, 18.9258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7935, 28.4639, 7.8474 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(180, 139, 57)` looks like.

```
.text, #text, p{  
    color:rgb(180, 139, 57)  
}
```

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(180, 139, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 139, 57) }
```

Border

The CSS property to change the border of an element to XYZ 28.7935, 28.4639, 7.8474 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(180, 139, 57) }
```


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

```
.border{ border-color:rgb(180, 139, 57) }
```

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

Here you see how a box with a 4 pixel rgb(180, 139, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 139, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 139, 57);  
box-shadow:4px 4px 4px 4px rgb(180, 139,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7935, 28.4639, 7.8474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 139, 57) }
```

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

```
.background{ background-color: rgb(180,  
139, 57) }
```

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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