

Converting Colors

XYZ(22.3012, 28.6462, 4.7317)

Have a look what the booklet for
XYZ(22.3012, 28.6462, 4.7317)
contains.

XYZ(22.2757, 28.6292, 4.7327)	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(22.2757, 28.6292,
4.7327)**

Conversions

Conversions Part 1

Format	Color
Hex	8B9A0D
RGB	139, 154, 13
RGB Percent	55%, 60%, 5%
CMY	0.4549, 0.3961, 0.9490
CMYK	0.10, 0.00, 0.92, 0.40
HSL	66°, 84%, 33%
HSV	66°, 92%, 60%
XYZ	22.2757, 28.6292, 4.7327
YIQ	133.4410, 36.3210, -47.0310

Conversions

Conversions Part 2

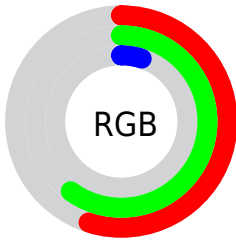
Format	Color
RYB	13, 154, 28
Decimal	9148941
CIELab	60.45, -21.27, 61.50
CIELCh	60, 65.069, 109.077
Yxy	28.6292, 0.4004, 0.5146
Android (android.graphics.Color)	4287339021 (0xFF8B9A0D)
YUV	133.4410, -59.3774, 4.8752
Hunter-Lab	53.5063, -19.3229, 32.2101

Details

The XYZ color **22.2757, 28.6292, 4.7327** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.4564, 2.8684, 30.7869**, and the grayscale version is **22.6573, 23.8372, 25.9587**.

A 20% lighter version of the original color is **46.6604, 57.3833, 15.6380**, and **8.5966, 11.6318, 1.7921** is the 20% darker color. If you saturate the color by 10%, you get **21.9739, 28.4830, 4.3396**, and if you desaturate by 10%, it is **22.6939, 28.8294, 5.4931**.

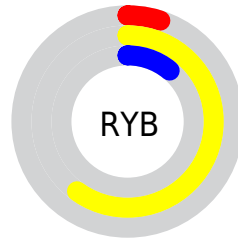
Distribution



Red (55%)

Green (60%)

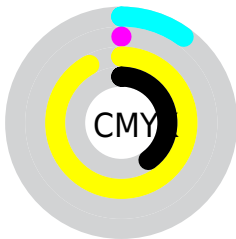
Blue (5%)



Red (5%)

Yellow (60%)

Blue (11%)

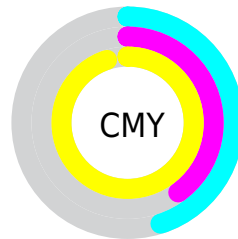


Cyan (10%)

Magenta (0%)

Yellow (92%)

Black (40%)



Cyan (45%)

Magenta (40%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2757, 28.6292, 4.7327 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 22.2757, 28.6292, 4.7327 by changing the saturation by 10% instead.

■ 22.2757, 28.6292,
4.7327

■ 22.2757, 28.6292,
4.7327

256.5881,
295.4614, 156.0510

■ 14.1774, 18.8005,
2.0353

■ 46.6767, 57.4874,
15.6671

■ 8.3267, 11.5262,
0.5769

■ 63.7101, 77.2858,
24.7413

■ 4.3582, 6.4219,
0.0000

■ 84.4525, 101.1761,
36.7781

■ 1.9067, 3.1033,
0.0000

■ 109.2694,
129.5428, 52.1961

■ 0.5807, 1.1859,
0.0000

■ 138.5260,
162.7703, 71.4139

■ 0.0000, 0.0501,
0.0000

■ 172.5878,

■ 0.0000, 0.0000,

201.2429, 94.8499

0.0000

211.8200,
245.3452, 122.9228

22.2757, 28.6292,
4.7327

22.2757, 28.6292,
4.7327

21.9739, 28.4830,
4.3396

22.6939, 28.8294,
5.4931

23.2103, 29.0683,
6.7518

23.8382, 29.3522,
8.5757

24.5882, 29.6855,
11.0212

25.4697, 30.0719,
14.1378

■ 26.4913, 30.5148,
17.9700

■ 27.6607, 31.0173,
22.5584

■ 28.9851, 31.5823,
27.9407

■ 30.4710, 32.2124,
34.1521

Harmonies

Analogous

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



30.3814, 28.6292, 4.2655



22.2757, 28.6292, 4.7327



16.7587, 28.6292, 9.6572

Triad

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



22.2757, 28.6292, 4.7327



17.9593, 28.6292, 80.6799



46.3048, 28.6292, 40.7639

Complementary

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



22.2757, 28.6292, 4.7327



6.4564, 2.8684, 30.7869

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.



41.2978, 28.6292, 72.2435



22.2757, 28.6292, 4.7327



24.2696, 28.6292, 102.0182

Square

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



22.2757, 28.6292, 4.7327



14.6435, 28.6292, 48.8250



32.8266, 28.6292, 98.3193



45.4645, 28.6292, 18.3880

Rectangle

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



22.2757, 28.6292, 4.7327



14.7613, 28.6292, 17.4220



32.8266, 28.6292, 98.3193



45.2147, 28.6292, 50.7352

Sweetspot

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



22.2764, 28.6305, 4.7333



48.9398, 55.7823, 35.8155



13.7944, 7.6884, 1.1381



10.9308, 12.5630, 7.5378



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.



22.2764, 28.6305, 4.7333



39.8168, 51.6881, 7.8782



14.1123, 24.4218, 4.3512



6.6441, 7.1895, 6.6434



17.9196, 23.2138, 3.5362



0.2840, 0.3554, 0.0536

Inverse Universe

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



6.4564, 2.8684, 30.7869



10.9143, 4.4025, 55.8108



10.9718, 5.1962, 30.9983



5.9425, 6.0562, 7.7847



4.9479, 2.0018, 25.0333



0.0880, 0.0372, 0.3749

Previews

White Background



This preview shows how the XYZ color 22.2757, 28.6292, 4.7327 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 22.2757, 28.6292, 4.7327 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 22.2757, 28.6292, 4.7327

Background



This preview shows how black text looks on a background with the XYZ color 22.2757, 28.6292, 4.7327.



This preview shows how white text looks on a background with the XYZ color 22.2757, 28.6292,

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

22.2757, 28.6292, 4.7327

Protanopia

25.6380, 28.4700, 4.4024

Deuteranopia

29.0652, 28.4511, 5.0583



Tritanopia

28.2329, 28.4620, 34.5775

Trichromacy



Original Color

22.2757, 28.6292, 4.7327

Protanomaly

24.3198, 28.4854, 4.5036

Deuteranomaly

26.2764, 28.3332, 4.8946

Tritanomaly

24.7360, 27.9577, 16.9246

Monochromacy



Original Color

22.2757, 28.6292, 4.7327

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.3197, 24.9219, 13.1379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2757, 28.6292, 4.7327 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(139, 154, 13)` looks like.

```
.text, #text, p{  
    color:rgb(139, 154, 13)  
}
```

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(139, 154, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 154, 13) }
```

Border

The CSS property to change the border of an element to XYZ 22.2757, 28.6292, 4.7327 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(139, 154, 13) }
```


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

```
.border{ border-color:rgb(139, 154, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 154, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 154, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 154, 13);  
box-shadow:4px 4px 4px 4px rgb(139, 154,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2757, 28.6292, 4.7327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 154, 13) }
```

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

```
.background{ background-color: rgb(139,  
154, 13) }
```

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