

Converting Colors

XYZ(28.7420, 39.4508, 12.4380)

Have a look what the booklet for
XYZ(28.7420, 39.4508, 12.4380)
contains.

XYZ(28.7458, 39.5124, 12.4149)	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(28.7458, 39.5124,
12.4149)**

Conversions

Conversions Part 1

Format	Color
Hex	8CB649
RGB	140, 182, 73
RGB Percent	55%, 71%, 29%
CMY	0.4510, 0.2863, 0.7137
CMYK	0.23, 0.00, 0.60, 0.29
HSL	83°, 43%, 50%
HSV	83°, 60%, 71%
XYZ	28.7458, 39.5124, 12.4149
YIQ	157.0160, 9.9570, -42.8030

Conversions

Conversions Part 2

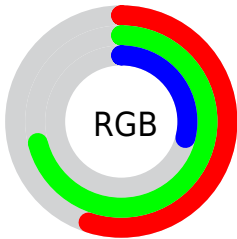
Format	Color
RYB	73, 182, 115
Decimal	9221705
CIELab	69.12, -31.28, 49.78
CIELCh	69, 58.790, 122.144
Yxy	39.5124, 0.3563, 0.4898
Android (android.graphics.Color)	4287411785 (0xFF8CB649)
YUV	157.0160, -41.4199, -14.9230
Hunter-Lab	62.8589, -28.3738, 32.2912

Details

The XYZ color **28.7458, 39.5124, 12.4149** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **17.8978, 11.7884, 45.5903**, and the grayscale version is **32.2334, 33.9120, 36.9302**.

A 20% lighter version of the original color is **57.0412, 74.3655, 30.7496**, and **11.7892, 17.7194, 3.3291** is the 20% darker color. If you saturate the color by 10%, you get **27.0844, 38.7170, 9.6353**, and if you desaturate by 10%, it is **30.6610, 40.4208, 16.1296**.

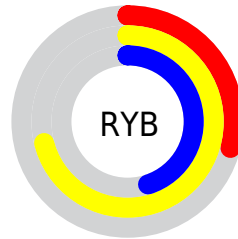
Distribution



Red (55%)

Green (71%)

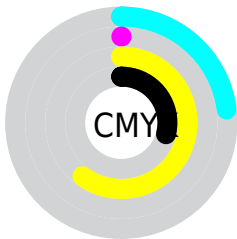
Blue (29%)



Red (29%)

Yellow (71%)

Blue (45%)

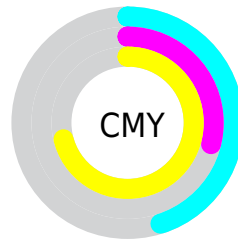


Cyan (23%)

Magenta (0%)

Yellow (60%)

Black (29%)



Cyan (45%)

Magenta (29%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7458, 39.5124, 12.4149 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 28.7458, 39.5124, 12.4149 by changing the saturation by 10% instead.

■ 28.7458, 39.5124,
12.4149

■ 28.7458, 39.5124,
12.4149

288.0296,
344.0641, 218.2075

■ 19.0319, 27.1586,
6.9009

■ 57.0733, 74.4204,
30.9242

■ 11.7975, 17.6924,
3.3227

■ 76.4177, 97.7434,
44.7565

■ 6.6771, 10.7293,
1.2617

■ 99.7029, 125.4916,
62.1988

■ 3.3055, 5.8851,
0.0301

■ 127.2944,
158.0494, 83.6695

■ 1.3173, 2.7754,
0.0000

■ 159.5574,
195.8011, 109.5872

■ 0.1961, 1.0156,
0.0000

196.8574,

■ 0.0000, 0.0000,

239.1312, 140.3704

0.0000

239.5596,
288.4241, 176.4377

■ 28.7458, 39.5124,
12.4149

■ 28.7458, 39.5124,
12.4149

■ 27.0844, 38.7170,
9.6353

■ 30.6610, 40.4208,
16.1296

■ 25.6567, 38.0223,
7.7045

■ 32.8426, 41.4432,
20.8506

■ 24.4435, 37.4217,
6.5245

■ 35.3053, 42.5870,
26.6451

■ 23.4051, 36.8992,
5.8945

■ 38.0620, 43.8577,
33.5739

■ 23.3941, 36.8937,
5.8882

■ 41.1246, 45.2600,
41.6930

■ 44.5043, 46.7986,
51.0548

■ 48.2116, 48.4778,
61.7088

■ 52.2565, 50.3018,
73.7015

■ 56.6487, 52.2745,
87.0772

Harmonies

Analogous

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



36.8839, 39.5124, 9.2786



28.7458, 39.5124, 12.4149



23.7486, 39.5124, 23.1041

Triad

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



28.7458, 39.5124, 12.4149



29.7360, 39.5124, 106.8346



58.6385, 39.5124, 41.1166

Complementary

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



28.7458, 39.5124, 12.4149



17.8978, 11.7884, 45.5903

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.



55.8844, 39.5124, 71.9837



28.7458, 39.5124, 12.4149



38.2349, 39.5124, 118.1303

Square

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



28.7458, 39.5124, 12.4149



24.2498, 39.5124, 76.8102



48.0026, 39.5124, 103.3262



55.0086, 39.5124, 20.9603

Rectangle

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



28.7458, 39.5124, 12.4149



22.3603, 39.5124, 36.3356



48.0026, 39.5124, 103.3262



58.4277, 39.5124, 50.4828

Sweetspot

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



28.7467, 39.5141, 12.4157



69.8450, 79.8963, 63.0523



26.6015, 22.6396, 9.2717



15.0875, 17.4909, 13.0493



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.



28.7467, 39.5141, 12.4157



48.1942, 69.7508, 16.1398



21.7435, 35.9039, 12.0880



9.4059, 10.3259, 9.6043



16.5958, 26.0918, 4.1615



0.6519, 0.9543, 0.1498

Inverse Universe

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



17.8978, 11.7884, 45.5903



26.8269, 14.9885, 81.7148



27.2506, 16.6099, 46.0280



8.8396, 8.8837, 11.3283



7.8227, 3.3439, 31.4862



0.3457, 0.1539, 1.1132

Previews

White Background



This preview shows how the XYZ color 28.7458, 39.5124, 12.4149 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 28.7458, 39.5124, 12.4149 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 28.7458, 39.5124, 12.4149

Background



This preview shows how black text looks on a background with the XYZ color 28.7458, 39.5124, 12.4149.



This preview shows how white text looks on a background with the XYZ color 28.7458, 39.5124,

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

28.7458, 39.5124, 12.4149

Protanopia

35.5703, 38.9997, 11.2832

Deuteranopia

39.9945, 39.1160, 12.8393



Tritanopia

36.5411, 39.4565, 51.0374

Trichromacy



Original Color

28.7458, 39.5124, 12.4149

Protanomaly

32.6266, 38.8754, 11.5784

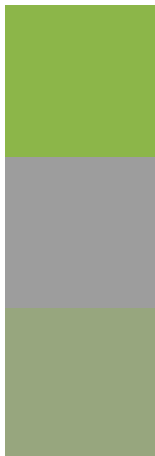
Deuteranomaly

34.8706, 38.6084, 12.6355

Tritanomaly

32.7584, 39.0631, 32.1989

Monochromacy



Original Color

28.7458, 39.5124, 12.4149

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.1646, 35.3581, 24.9736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7458, 39.5124, 12.4149 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(140, 182, 73)` looks like.

```
.text, #text, p{  
    color:rgb(140, 182, 73)  
}
```

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(140, 182, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 182, 73) }
```

Border

The CSS property to change the border of an element to XYZ 28.7458, 39.5124, 12.4149 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(140, 182, 73) }
```


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

```
.border{ border-color:rgb(140, 182, 73) }
```

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

Here you see how a box with a 4 pixel rgb(140, 182, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 182, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 182, 73);  
box-shadow:4px 4px 4px 4px rgb(140, 182,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7458, 39.5124, 12.4149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 182, 73) }
```

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

```
.background{ background-color: rgb(140,  
182, 73) }
```

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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