

Converting Colors

XYZ(12.7113, 21.8597, 3.5494)

Have a look what the booklet for
XYZ(12.7113, 21.8597, 3.5494)
contains.

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Color

**XYZ(12.6628, 21.7867,
3.5379)**

Conversions

Conversions Part 1

Format	Color
Hex	449200
RGB	68, 146, 0
RGB Percent	27%, 57%, 0%
CMY	0.7333, 0.4274, 0.9999
CMYK	0.53, 0.00, 1.00, 0.43
HSL	92°, 100%, 29%
HSV	92°, 100%, 57%
XYZ	12.6628, 21.7867, 3.5379
YIQ	106.0340, 0.3780, -61.9420

Conversions

Conversions Part 2

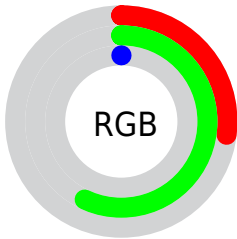
Format	Color
RYB	0, 146, 78
Decimal	4493824
CIELab	53.80, -45.49, 56.52
CIELCh	54, 72.558, 128.829
Yxy	21.7867, 0.3333, 0.5735
Android (android.graphics.Color)	4282683904 (0xFF449200)
YUV	106.0340, -52.2748, -33.3558
Hunter-Lab	46.6762, -33.2581, 28.1794

Details

The XYZ color **12.6628, 21.7867, 3.5379** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.3318, 3.6961, 27.4696**, and the grayscale version is **13.8487, 14.5699, 15.8666**.

A 20% lighter version of the original color is **30.4183, 46.5629, 13.0146**, and **4.0027, 8.0054, 1.3342** is the 20% darker color. If you saturate the color by 10%, you get **12.6628, 21.7874, 3.5380**, and if you desaturate by 10%, it is **13.3275, 22.1204, 4.0049**.

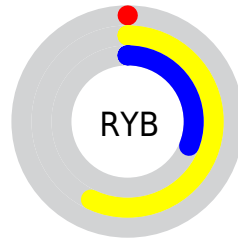
Distribution



Red (27%)

Green (57%)

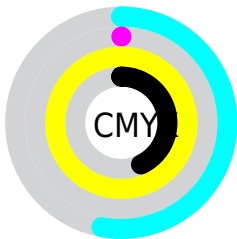
Blue (0%)



Red (0%)

Yellow (57%)

Blue (31%)

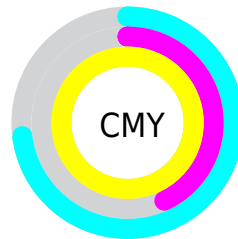


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (73%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6628, 21.7867, 3.5379 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 12.6628, 21.7867, 3.5379 by changing the saturation by 10% instead.

■ 12.6628, 21.7867,
3.5379

■ 12.6628, 21.7867,
3.5379

202.4267,
261.4303, 142.9416

■ 7.2722, 13.7003,
1.3754

■ 30.3031, 46.3932,
12.9292

■ 3.6807, 7.9125,
0.1224

■ 43.2836, 63.6821,
20.9950

■ 1.5231, 4.0390,
0.0000

■ 59.5246, 84.8072,
31.8658

■ 0.3415, 1.6954,
0.0000

■ 79.3916, 110.1529,
45.9600


■ 0.0000, 0.4207,
0.0000


■ 103.2500,
140.1037, 63.6961


■ 0.0000, 0.0000,
0.0000


■ 131.4651,


175.0440, 85.4927


 164.4022,
215.3580, 111.7684


 12.6628, 21.7867,
3.5379


 12.6628, 21.7867,
3.5379


 12.6628, 21.7874,
3.5380

 13.3275, 22.1204,
4.0049

 14.1244, 22.5149,
4.7777

 15.0847, 22.9838,
6.0058

 16.2215, 23.5325,
7.7457

 17.5464, 24.1660,
10.0455

■ 19.0696, 24.8886,
12.9479

■ 20.8005, 25.7043,
16.4914

■ 22.7480, 26.6168,
20.7113

■ 24.9201, 27.6297,
25.6403

Harmonies

Analogous

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



18.4922, 21.7867, 1.5668



12.6628, 21.7867, 3.5379



9.6432, 21.7867, 11.3551

Triad

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



12.6628, 21.7867, 3.5379



15.7543, 21.7867, 90.4444



39.3204, 21.7867, 17.7272

Complementary

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



12.6628, 21.7867, 3.5379



8.3318, 3.6961, 27.4696

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.



38.0558, 21.7867, 42.8375



12.6628, 21.7867, 3.5379



23.0932, 21.7867, 96.3977

Square

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



12.6628, 21.7867, 3.5379



11.0917, 21.7867, 62.0761



31.5932, 21.7867, 75.3056



34.7090, 21.7867, 5.7078

Rectangle

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



12.6628, 21.7867, 3.5379



9.0501, 21.7867, 22.8557



31.5932, 21.7867, 75.3056



39.5884, 21.7867, 24.6100

Sweetspot

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



12.6633, 21.7876, 3.5384



36.4940, 45.2498, 28.6727



14.5701, 11.5422, 1.4603



7.8563, 9.9429, 5.8335



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.6633, 21.7876, 3.5384



22.1460, 38.3350, 6.2322



10.3062, 20.5694, 3.5672



5.9710, 6.5929, 6.1983



11.1681, 19.1852, 3.1145



0.1702, 0.2521, 0.0397

Inverse Universe

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



8.3318, 3.6961, 27.4696



14.4998, 6.4176, 48.4480



16.6726, 8.0387, 25.9255



5.7776, 5.7763, 7.2802



7.3571, 3.2653, 24.1735



0.1241, 0.0575, 0.2975

Previews

White Background



This preview shows how the XYZ color 12.6628, 21.7867, 3.5379 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 12.6628, 21.7867, 3.5379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

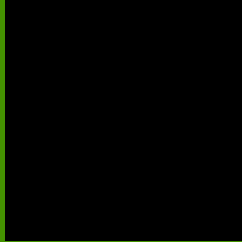
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.6628, 21.7867, 3.5379

Background



This preview shows how black text looks on a background with the XYZ color 12.6628, 21.7867, 3.5379.



This preview shows how white text looks on a background with the XYZ color 12.6628, 21.7867,

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

12.6628, 21.7867, 3.5379

Protanopia

19.2208, 21.3676, 3.1113

Deuteranopia

21.7697, 21.3455, 4.2010



Tritanopia

18.1904, 21.8387, 30.8603

Trichromacy



Original Color

12.6628, 21.7867, 3.5379

Protanomaly

15.8664, 21.0409, 3.2251

Deuteranomaly

16.8526, 20.5243, 3.6895

Tritanomaly

14.7918, 21.3136, 13.9240

Monochromacy



Original Color

12.6628, 21.7867, 3.5379

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.2641, 16.3553, 7.8207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6628, 21.7867, 3.5379 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(68, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 146, 0)  
}
```

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(68, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 146, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.6628, 21.7867, 3.5379 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(68, 146, 0) }
```


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

```
.border{ border-color:rgb(68, 146, 0) }
```

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

Here you see how a box with a 4 pixel rgb(68, 146, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(68, 146, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6628, 21.7867, 3.5379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 146, 0) }
```

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

```
.background{ background-color: rgb(68, 146,  
0) }
```

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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