

Converting Colors

XYZ(12.1127, 22.1987, 3.6464)

Have a look what the booklet for
XYZ(12.1127, 22.1987, 3.6464)
contains.

XYZ(12.1127, 22.1987, 3.6464)	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(12.1127, 22.1987,
3.6464)**

Conversions

Conversions Part 1

Format	Color
Hex	339500
RGB	51, 149, 0
RGB Percent	20%, 58%, 0%
CMY	0.8000, 0.4157, 0.9999
CMYK	0.66, 0.00, 1.00, 0.42
HSL	99°, 100%, 29%
HSV	99°, 100%, 58%
XYZ	12.1127, 22.1987, 3.6464
YIQ	102.7120, -10.5790, -67.1150

Conversions

Conversions Part 2

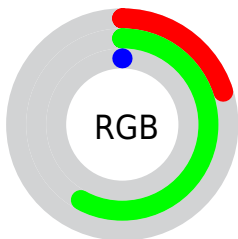
Format	Color
RYB	0, 149, 98
Decimal	3380480
CIELab	54.24, -51.13, 56.63
CIELCh	54, 76.300, 132.077
Yxy	22.1987, 0.3191, 0.5848
Android (android.graphics.Color)	4281570560 (0xFF339500)
YUV	102.7120, -50.6370, -45.3514
Hunter-Lab	47.1155, -36.5624, 28.3922

Details

The XYZ color **12.1127, 22.1987, 3.6464** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **10.4639, 4.7678, 28.8038**, and the grayscale version is **12.9484, 13.6227, 14.8351**.

A 20% lighter version of the original color is **29.3491, 47.0601, 13.1669**, and **4.2747, 8.5494, 1.4249** is the 20% darker color. If you saturate the color by 10%, you get **12.1127, 22.1994, 3.6465**, and if you desaturate by 10%, it is **12.7458, 22.5158, 4.1229**.

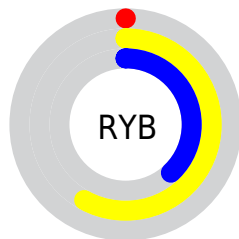
Distribution



Red (20%)

Green (58%)

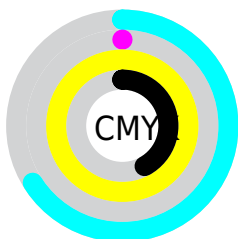
Blue (0%)



Red (0%)

Yellow (58%)

Blue (38%)

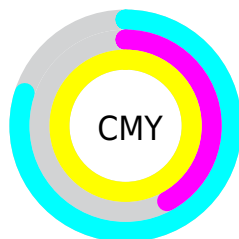


Cyan (66%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (80%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1127, 22.1987, 3.6464 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 12.1127, 22.1987, 3.6464 by changing the saturation by 10% instead.

■ 12.1127, 22.1987,
3.6464

■ 12.1127, 22.1987,
3.6464

198.9047,
263.5822, 144.2101

■ 6.8932, 14.0030,
1.4334

■ 29.3153, 47.0742,
13.1857

■ 3.4411, 8.1227,
0.1676

■ 42.0291, 64.5227,
21.3491

■ 1.3911, 4.1736,
0.0000

■ 57.9717, 85.8243,
32.3330

■ 0.2499, 1.7711,
0.0000

■ 77.5085, 111.3634,
46.5561


■ 0.0000, 0.4691,
0.0000


■ 101.0049,
141.5243, 64.4368


■ 0.0000, 0.0000,
0.0000


■ 128.8261,


176.6915, 86.3936


 161.3376,
217.2493, 112.8452


 12.1127, 22.1987,
3.6464


 12.1127, 22.1987,
3.6464


 12.1127, 22.1994,
3.6465

 12.7458, 22.5158,
4.1229

 13.5493, 22.9132,
4.9244

 14.5585, 23.4062,
6.2043

 15.7897, 24.0019,
8.0223

 17.2575, 24.7068,
10.4291

■ 18.9749, 25.5267,
13.4698

■ 20.9541, 26.4668,
17.1849

■ 23.2061, 27.5321,
21.6117

■ 25.7416, 28.7273,
26.7847

Harmonies

Analogous

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



17.9343, 22.1987, 1.3674



12.1127, 22.1987, 3.6464



9.2696, 22.1987, 12.6611

Triad

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



12.1127, 22.1987, 3.6464



16.5610, 22.1987, 98.9075



40.8589, 22.1987, 15.8162

Complementary

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



12.1127, 22.1987, 3.6464



10.4639, 4.7678, 28.8038

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.



40.2082, 22.1987, 41.1320



12.1127, 22.1987, 3.6464



24.6161, 22.1987, 102.0245

Square

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



12.1127, 22.1987, 3.6464



11.3354, 22.1987, 69.5334



33.6967, 22.1987, 76.4118



35.2928, 22.1987, 4.6619

Rectangle

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



12.1127, 22.1987, 3.6464



8.8352, 22.1987, 25.8649



33.6967, 22.1987, 76.4118



41.3935, 22.1987, 22.5520

Sweetspot

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



12.1132, 22.1996, 3.6469



37.2918, 47.2863, 30.3277



16.6565, 14.9127, 2.0009



7.9559, 10.3329, 6.1349



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.1132, 22.1996, 3.6469



21.5158, 39.6641, 6.5219



10.8964, 21.5552, 4.3637



5.9056, 6.5592, 6.1953



10.2235, 18.6983, 3.0703



0.1544, 0.2439, 0.0389

Inverse Universe

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



10.4639, 4.7678, 28.8038



18.5389, 8.4349, 51.5722



16.2034, 7.9134, 20.6342



5.8445, 5.8108, 7.2833



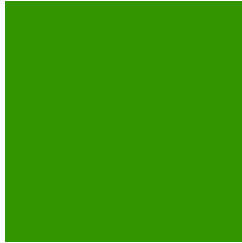
8.8385, 4.0290, 24.2429



0.1399, 0.0656, 0.2982

Previews

White Background



This preview shows how the XYZ color 12.1127, 22.1987, 3.6464 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 12.1127, 22.1987, 3.6464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

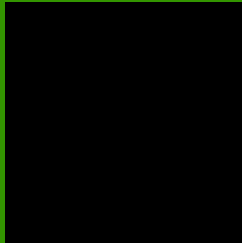
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.1127, 22.1987, 3.6464

Background



This preview shows how black text looks on a background with the XYZ color 12.1127, 22.1987, 3.6464.



This preview shows how white text looks on a background with the XYZ color 12.1127, 22.1987,

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

12.1127, 22.1987, 3.6464

Protanopia

19.5273, 21.7203, 3.1632

Deuteranopia

22.1205, 21.7047, 4.3901



Tritanopia

17.7354, 21.9987, 32.1656

Trichromacy



Original Color

12.1127, 22.1987, 3.6464

Protanomaly

15.3597, 20.9878, 3.2415

Deuteranomaly

16.4036, 20.6906, 3.7909

Tritanomaly

14.1225, 21.4012, 14.2130

Monochromacy



Original Color

12.1127, 22.1987, 3.6464

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

11.3560, 15.7111, 7.5883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1127, 22.1987, 3.6464 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(51, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 149, 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(51, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 149, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.1127, 22.1987, 3.6464 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(51, 149, 0) }
```


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

```
.border{ border-color:rgb(51, 149, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(51, 149, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1127, 22.1987, 3.6464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 149, 0) }
```

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

```
.background{ background-color: rgb(51, 149,  
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](#).

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