

Converting Colors

XYZ(12.3427, 23.3914, 1.1014)

Have a look what the booklet for
XYZ(12.3427, 23.3914, 1.1014)
contains.

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Color

**XYZ(12.8074, 23.5125,
3.8634)**

Conversions

Conversions Part 1

Format	Color
Hex	349900
RGB	52, 153, 0
RGB Percent	20%, 60%, 0%
CMY	0.7961, 0.4000, 0.9999
CMYK	0.66, 0.00, 1.00, 0.40
HSL	100°, 100%, 30%
HSV	100°, 100%, 60%
XYZ	12.8074, 23.5125, 3.8634
YIQ	105.3590, -11.0830, -68.9950

Conversions

Conversions Part 2

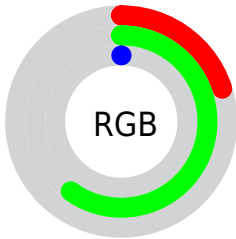
Format	Color
RYB	0, 153, 101
Decimal	3447040
CIELab	55.60, -52.27, 57.72
CIELCh	56, 77.870, 132.162
Yxy	23.5125, 0.3187, 0.5851
Android (android.graphics.Color)	4281637120 (0xFF349900)
YUV	105.3590, -51.9420, -46.7958
Hunter-Lab	48.4897, -37.7104, 29.2189

Details

The XYZ color **12.8074, 23.5125, 3.8634** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **11.1189, 5.0680, 30.5304**, and the grayscale version is **13.6647, 14.3763, 15.6558**.

A 20% lighter version of the original color is **30.4714, 49.0647, 13.6588**, and **4.6537, 9.3074, 1.5512** is the 20% darker color. If you saturate the color by 10%, you get **12.8074, 23.5132, 3.8635**, and if you desaturate by 10%, it is **13.4731, 23.8462, 4.3565**.

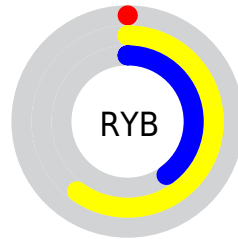
Distribution



Red (20%)

Green (60%)

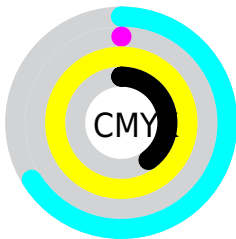
Blue (0%)



Red (0%)

Yellow (60%)

Blue (40%)

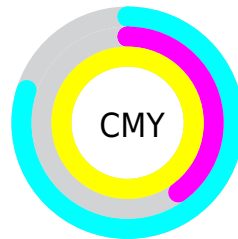


Cyan (66%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (80%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8074, 23.5125, 3.8634 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 12.8074, 23.5125, 3.8634 by changing the saturation by 10% instead.

■ 12.8074, 23.5125,
3.8634

■ 12.8074, 23.5125,
3.8634

203.3423,
270.3465, 146.6947

■ 7.3721, 14.9724,
1.5507

■ 30.5616, 49.2335,
13.6935

■ 3.7443, 8.8000,
0.2553

■ 43.6113, 67.1832,
22.0479

■ 1.5585, 4.6110,
0.0000

■ 59.9297, 89.0381,
33.2534

■ 0.3651, 2.0209,
0.0000

■ 79.8824, 115.1828,
47.7284


■ 0.0000, 0.6196,
0.0000


■ 103.8347,
146.0016, 65.8915


■ 0.0000, 0.0000,
0.0000


■ 132.1518,


181.8789, 88.1613


 165.1992,
223.1990, 114.9561


 12.8074, 23.5125,
3.8634


 12.8074, 23.5125,
3.8634


 12.8074, 23.5132,
3.8635

 13.4731, 23.8462,
4.3565

 14.3216, 24.2658,
5.1988

 15.3893, 24.7875,
6.5494

 16.6940, 25.4189,
8.4718

 18.2512, 26.1669,
11.0206

■ 20.0751, 27.0376,
14.2438

■ 22.1784, 28.0369,
18.1848

■ 24.5733, 29.1700,
22.8832

■ 27.2710, 30.4419,
28.3760

Harmonies

Analogous

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



18.9701, 23.5125, 1.4421



12.8074, 23.5125, 3.8634



9.8025, 23.5125, 13.4427

Triad

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



12.8074, 23.5125, 3.8634



17.5559, 23.5125, 104.9598



43.3000, 23.5125, 16.6907

Complementary

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



12.8074, 23.5125, 3.8634



11.1189, 5.0680, 30.5304

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.



42.6296, 23.5125, 43.4956



12.8074, 23.5125, 3.8634



26.1046, 23.5125, 108.1733

Square

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



12.8074, 23.5125, 3.8634



12.0073, 23.5125, 73.8348



35.7349, 23.5125, 80.9251



37.3795, 23.5125, 4.9072

Rectangle

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



12.8074, 23.5125, 3.8634



9.3472, 23.5125, 27.4723



35.7349, 23.5125, 80.9251



43.8739, 23.5125, 23.8169

Sweetspot

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



12.8079, 23.5135, 3.8639



39.4761, 50.0944, 32.1029



17.6427, 15.7831, 2.1170



8.3857, 10.9042, 6.4609



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



12.8079, 23.5135, 3.8639



22.7556, 42.0150, 6.9104



11.5462, 22.8452, 4.6097



6.3202, 7.0225, 6.6282



10.6175, 19.4494, 3.1945



0.1950, 0.3095, 0.0495

Inverse Universe

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



11.1189, 5.0680, 30.5304



19.7060, 8.9693, 54.6646



17.1705, 8.3861, 21.8520



6.2573, 6.2185, 7.7995



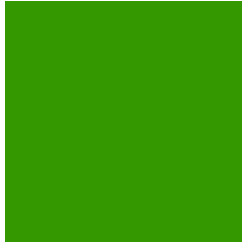
9.2252, 4.2068, 25.2335



0.1764, 0.0827, 0.3790

Previews

White Background



This preview shows how the XYZ color 12.8074, 23.5125, 3.8634 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 12.8074, 23.5125, 3.8634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

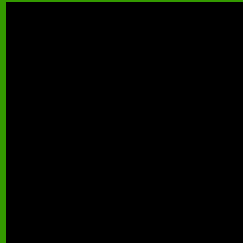
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.8074, 23.5125, 3.8634

Background



This preview shows how black text looks on a background with the XYZ color 12.8074, 23.5125, 3.8634.



This preview shows how white text looks on a background with the XYZ color 12.8074, 23.5125,

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

12.8074, 23.5125, 3.8634

Protanopia

20.7820, 23.1646, 3.3759

Deuteranopia

23.4475, 23.1330, 4.5958



Tritanopia

18.8140, 23.3846, 34.0939

Trichromacy



Original Color

12.8074, 23.5125, 3.8634

Protanomaly

16.3175, 22.3336, 3.4508

Deuteranomaly

17.3879, 22.0188, 3.9954

Tritanomaly

15.0093, 22.7417, 15.1538

Monochromacy



Original Color

12.8074, 23.5125, 3.8634

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

11.8104, 16.3027, 7.8345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8074, 23.5125, 3.8634 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(52, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(52, 153, 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(52, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.8074, 23.5125, 3.8634 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(52, 153, 0) }
```


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

```
.border{ border-color:rgb(52, 153, 0) }
```

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

Here you see how a box with a 4 pixel rgb(52, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(52, 153, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8074, 23.5125, 3.8634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 153, 0) }
```

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

```
.background{ background-color: rgb(52, 153,  
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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