

Converting Colors

XYZ(9.3321, 19.7352, 14.0535)

Have a look what the booklet for
XYZ(9.3321, 19.7352, 14.0535)
contains.

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Color

**XYZ(12.3444, 21.3840,
14.3034)**

Conversions

Conversions Part 1

Format	Color
Hex	00925F
RGB	0, 146, 95
RGB Percent	0%, 57%, 37%
CMY	1.0000, 0.4274, 0.6274
CMYK	1.00, 0.00, 0.35, 0.43
HSL	159°, 100%, 29%
HSV	159°, 100%, 57%
XYZ	12.3444, 21.3840, 14.3034
YIQ	96.5320, -70.6450, -46.8130

Conversions

Conversions Part 2

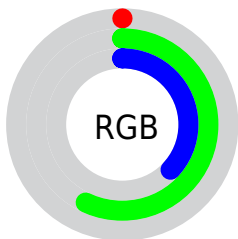
Format	Color
RYB	0, 88, 146
Decimal	37471
CIELab	53.37, -45.79, 17.93
CIELCh	53, 49.172, 158.615
Yxy	21.3840, 0.2570, 0.4452
Android (android.graphics.Color)	4278227551 (0xFF00925F)
YUV	96.5320, -0.7553, -84.6586
Hunter-Lab	46.2428, -33.2749, 14.0310

Details

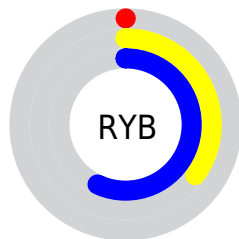
The XYZ color **12.3444, 21.3840, 14.3034** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **12.4522, 6.3504, 3.7019**, and the grayscale version is **11.2624, 11.8489, 12.9034**.

A 20% lighter version of the original color is **29.7311, 45.7334, 34.4546**, and **4.5362, 8.2188, 4.1436** is the 20% darker color. If you saturate the color by 10%, you get **12.3449, 21.3848, 14.3036**, and if you desaturate by 10%, it is **12.7751, 21.5789, 15.5743**.

Distribution



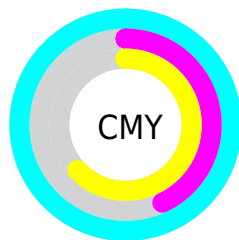
- Red (0%)
- Green (57%)
- Blue (37%)



- Red (0%)
- Yellow (35%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (43%)





- Cyan (100%)
- Magenta (43%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3444, 21.3840, 14.3034 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 12.3444, 21.3840, 14.3034 by changing the saturation by 10% instead.


 12.3444, 21.3840,
14.3034


 12.3444, 21.3840,
14.3034


200.3959,
259.3123, 230.6039

 7.0525, 13.4050,
8.1908


 29.7323, 45.7257,
34.3512


 3.5416, 7.7080,
4.1278


 42.5590, 62.8573,
49.1236


 1.4462, 3.9087,
1.6957

 58.6281, 83.8084,
67.6196

 0.2888, 1.6226,
0.3578

 78.3048, 108.9636,
90.2579

 0.0000, 0.3728,
0.0000

 101.9546,
138.7071, 117.4569

 0.0000, 0.0000,
0.0000

 129.9428,

173.4235, 149.6352

162.6348,
213.4971, 187.2114

■ 12.3444, 21.3840,
14.3034

■ 12.3444, 21.3840,
14.3034

■ 12.3449, 21.3848,
14.3036

■ 12.7751, 21.5789,
15.5743

■ 13.3520, 21.8468,
16.9323

■ 14.1406, 22.2221,
18.3823

■ 15.1655, 22.7174,
19.9269

■ 16.4481, 23.3435,
21.5685

■ 18.0068, 24.1102,
23.3093

■ 19.8587, 25.0260,
25.1512

■ 22.0193, 26.0990,
27.0964

■ 24.5029, 27.3365,
29.1467

Harmonies

Analogous

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



14.6870, 21.3840, 7.2809



12.3444, 21.3840, 14.3034



11.9350, 21.3840, 27.8561

Triad

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



12.3444, 21.3840, 14.3034



21.8643, 21.3840, 64.7845



29.2099, 21.3840, 9.5661

Complementary

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



12.3444, 21.3840, 14.3034



12.4522, 6.3504, 3.7019

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.



31.9389, 21.3840, 19.2409



12.3444, 21.3840, 14.3034



27.2473, 21.3840, 53.7033

Square

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



12.3444, 21.3840, 14.3034



16.8834, 21.3840, 61.5690



31.1650, 21.3840, 35.4033



24.2048, 21.3840, 5.4733

Rectangle

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



12.3444, 21.3840, 14.3034



12.7317, 21.3840, 39.9238



31.1650, 21.3840, 35.4033



30.4597, 21.3840, 12.0599

Sweetspot

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



12.3450, 21.3848, 14.3039



34.8173, 44.0408, 44.1648



11.6497, 21.2651, 3.4907



7.4622, 9.6571, 9.5504



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.



12.3450, 21.3848, 14.3039



21.6947, 37.6909, 24.7993



12.4091, 16.5165, 29.7292



5.8789, 6.5282, 6.9733



10.8739, 18.8223, 12.6434



0.1471, 0.2360, 0.2284

Inverse Universe

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



12.4522, 6.3504, 3.7019



21.8929, 11.1729, 6.1442



12.1396, 6.6814, 0.6499



5.8795, 5.8469, 6.4714



10.9673, 5.5920, 3.3087



0.1472, 0.0736, 0.1088

Previews

White Background



This preview shows how the XYZ color 12.3444, 21.3840, 14.3034 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 12.3444, 21.3840, 14.3034 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 12.3444, 21.3840, 14.3034

Background



This preview shows how black text looks on a background with the XYZ color 12.3444, 21.3840, 14.3034.



This preview shows how white text looks on a background with the XYZ color 12.3444, 21.3840,

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

12.3444, 21.3840, 14.3034

Protanopia

19.6262, 21.1852, 12.0716

Deuteranopia

21.5212, 21.1546, 15.2609



Tritanopia

16.1029, 21.3711, 32.1305

Trichromacy



Original Color

12.3444, 21.3840, 14.3034



Protanomaly

14.3010, 19.8146, 12.7437



Deuteranomaly

14.9845, 19.5131, 14.7810



Tritanomaly

14.2979, 21.2648, 24.4700

Monochromacy



Original Color

12.3444, 21.3840, 14.3034



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

10.2287, 14.1301, 13.2546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3444, 21.3840, 14.3034 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(0, 146, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 95)  
}
```

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(0, 146, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.3444, 21.3840, 14.3034 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(0, 146, 95) }
```


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

```
.border{ border-color:rgb(0, 146, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 146, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 146, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.3444, 21.3840, 14.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 95) }
```

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

```
.background{ background-color: rgb(0, 146,  
95) }
```

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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