

Converting Colors

XYZ(8.5902, 19.7207, 15.4225)

Have a look what the booklet for
XYZ(8.5902, 19.7207, 15.4225)
contains.

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Color

**XYZ(12.7340, 21.7875,
15.5909)**

Conversions

Conversions Part 1

Format	Color
Hex	009364
RGB	0, 147, 100
RGB Percent	0%, 58%, 39%
CMY	0.9999, 0.4235, 0.6078
CMYK	1.00, 0.00, 0.32, 0.42
HSL	161°, 100%, 29%
HSV	161°, 100%, 58%
XYZ	12.7340, 21.7875, 15.5909
YIQ	97.6890, -72.5250, -45.7810

Conversions

Conversions Part 2

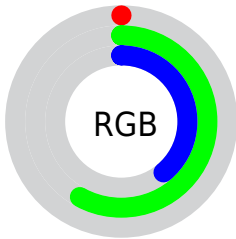
Format	Color
RYB	0, 87, 147
Decimal	37732
CIELab	53.80, -45.02, 15.71
CIELCh	54, 47.683, 160.759
Yxy	21.7875, 0.2541, 0.4348
Android (android.graphics.Color)	4278227812 (0xFF009364)
YUV	97.6890, 1.1393, -85.6733
Hunter-Lab	46.6771, -32.9882, 12.8701

Details

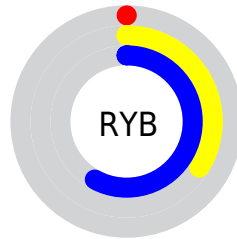
The XYZ color **12.7340, 21.7875, 15.5909** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **12.5466, 6.4089, 3.2667**, and the grayscale version is **11.5437, 12.1449, 13.2257**.

A 20% lighter version of the original color is **30.4528, 46.4067, 36.6305**, and **4.7348, 8.4415, 4.7480** is the 20% darker color. If you saturate the color by 10%, you get **12.7342, 21.7882, 15.5902**, and if you desaturate by 10%, it is **13.1610, 21.9811, 16.8336**.

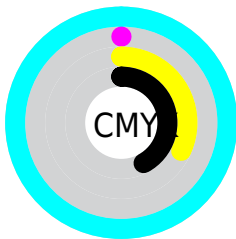
Distribution



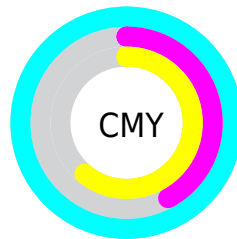
- Red (0%)
- Green (58%)
- Blue (39%)



- Red (0%)
- Yellow (34%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7340, 21.7875, 15.5909 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 12.7340, 21.7875, 15.5909 by changing the saturation by 10% instead.

■ 12.7340, 21.7875,
15.5909

■ 12.7340, 21.7875,
15.5909

202.8780,
261.4345, 238.6782

■ 7.3214, 13.7008,
9.0839

■ 30.4305, 46.3945,
36.6434

■ 3.7120, 7.9129,
4.6984

■ 43.4450, 63.6837,
52.0259

■ 1.5405, 4.0393,
2.0158

■ 59.7242, 84.8091,
71.2041

■ 0.3532, 1.6955,
0.5650

■ 79.6335, 110.1553,
94.5965

■ 0.0000, 0.4208,
0.0000

■ 103.5382,
140.1065, 122.6215

■ 0.0000, 0.0000,
0.0000

■ 131.8036,

175.0472, 155.6978

164.7951,
215.3617, 194.2438

■ 12.7340, 21.7875,
15.5909

■ 12.7340, 21.7875,
15.5909

■ 12.7342, 21.7882,
15.5902

■ 13.1610, 21.9811,
16.8336

■ 13.7346, 22.2483,
18.1524

■ 14.5209, 22.6234,
19.5518

■ 15.5448, 23.1195,
21.0342

■ 16.8277, 23.7475,
22.6016

■ 18.3888, 24.5173,
24.2559

■ 20.2450, 25.4376,
25.9989

■ 22.4122, 26.5164,
27.8323

■ 24.9048, 27.7614,
29.7578

Harmonies

Analogous

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



14.9224, 21.7875, 8.1328



12.7340, 21.7875, 15.5909



12.4634, 21.7875, 29.3858

Triad

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



12.7340, 21.7875, 15.5909



22.6013, 21.7875, 63.6076



29.0975, 21.7875, 9.6646

Complementary

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



12.7340, 21.7875, 15.5909



12.5466, 6.4089, 3.2667

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.



31.9655, 21.7875, 18.8387



12.7340, 21.7875, 15.5909



27.8247, 21.7875, 52.1334

Square

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



12.7340, 21.7875, 15.5909



17.6302, 21.7875, 61.5469



31.4647, 21.7875, 34.2815



24.1255, 21.7875, 5.8173

Rectangle

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



12.7340, 21.7875, 15.5909



13.3475, 21.7875, 41.2638



31.4647, 21.7875, 34.2815



30.3739, 21.7875, 12.0265

Sweetspot

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



12.7346, 21.7884, 15.5914



36.0305, 45.4422, 46.3586



11.7013, 21.5214, 3.5377



7.9225, 10.2234, 10.3062



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.



12.7346, 21.7884, 15.5914



22.7211, 38.9850, 27.4803



12.2884, 16.1500, 30.0743



5.8860, 6.5310, 7.0106



11.0511, 18.8932, 13.5763



0.1487, 0.2366, 0.2371

Inverse Universe

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



12.5466, 6.4089, 3.2667



22.3952, 11.4474, 5.4658



12.3704, 6.8779, 0.6760



5.8727, 5.8441, 6.4357



10.8869, 5.5598, 2.8852



0.1455, 0.0730, 0.1001

Previews

White Background



This preview shows how the XYZ color 12.7340, 21.7875, 15.5909 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 12.7340, 21.7875, 15.5909 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 12.7340, 21.7875, 15.5909

Background



This preview shows how black text looks on a background with the XYZ color 12.7340, 21.7875, 15.5909.



This preview shows how white text looks on a background with the XYZ color 12.7340, 21.7875,

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

12.7340, 21.7875, 15.5909

Protanopia

20.1322, 21.6143, 13.2361

Deuteranopia

21.8455, 21.4817, 16.3596



Tritanopia

16.3610, 21.7013, 33.0322

Trichromacy



Original Color

12.7340, 21.7875, 15.5909



Protanomaly

14.7540, 20.2289, 13.9534



Deuteranomaly

15.3155, 19.8615, 15.8584



Tritanomaly

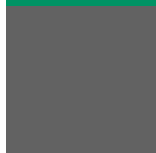
14.6518, 21.6455, 25.5961

Monochromacy



Original Color

12.7340, 21.7875, 15.5909



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

10.4841, 14.4158, 14.0343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7340, 21.7875, 15.5909 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, 147, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 100)  
}
```

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, 147, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.7340, 21.7875, 15.5909 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, 147, 100) }
```


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

```
.border{ border-color:rgb(0, 147, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 147, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7340, 21.7875, 15.5909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 100) }
```

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

```
.background{ background-color: rgb(0, 147,  
100) }
```

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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