

Converting Colors

XYZ(11.3100, 22.5723, 15.8546)

Have a look what the booklet for
XYZ(11.3100, 22.5723, 15.8546)
contains.

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Color

**XYZ(13.6915, 23.7026,
15.9100)**

Conversions

Conversions Part 1

Format	Color
Hex	009964
RGB	0, 153, 100
RGB Percent	0%, 60%, 39%
CMY	1.0000, 0.4000, 0.6078
CMYK	1.00, 0.00, 0.35, 0.40
HSL	159°, 100%, 30%
HSV	159°, 100%, 60%
XYZ	13.6915, 23.7026, 15.9100
YIQ	101.2110, -74.1750, -48.9190

Conversions

Conversions Part 2

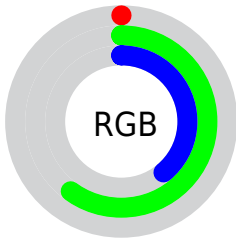
Format	Color
RYB	0, 93, 153
Decimal	39268
CIELab	55.79, -47.33, 18.43
CIELCh	56, 50.793, 158.722
Yxy	23.7026, 0.2569, 0.4447
Android (android.graphics.Color)	4278229348 (0xFF009964)
YUV	101.2110, -0.5970, -88.7620
Hunter-Lab	48.6853, -35.0007, 14.7042

Details

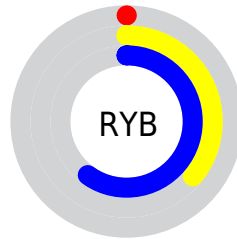
The XYZ color **13.6915, 23.7026, 15.9100** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.7804, 7.0299, 4.0002**, and the grayscale version is **12.4405, 13.0884, 14.2533**.

A 20% lighter version of the original color is **31.9795, 49.3245, 37.1132**, and **5.2963, 9.5644, 4.9351** is the 20% darker color. If you saturate the color by 10%, you get **13.6918, 23.7034, 15.9096**, and if you desaturate by 10%, it is **14.1591, 23.9137, 17.3156**.

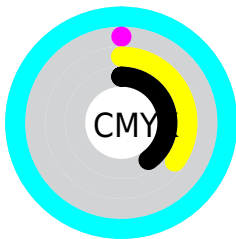
Distribution



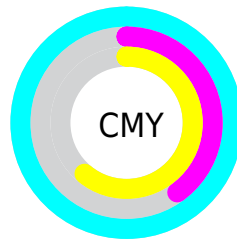
- Red (0%)
- Green (60%)
- Blue (39%)



- Red (0%)
- Yellow (36%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6915, 23.7026, 15.9100 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 13.6915, 23.7026, 15.9100 by changing the saturation by 10% instead.

■ 13.6915, 23.7026,
15.9100

■ 13.6915, 23.7026,
15.9100

208.8524,
271.3135, 240.6376

■ 7.9867, 15.1132,
9.3068

■ 32.1315, 49.5444,
37.2065

■ 4.1382, 8.8988,
4.8423

■ 45.5974, 67.5656,
52.7369

■ 1.7806, 4.6753,
2.0979

■ 62.3810, 89.4995,
72.0801

■ 0.5059, 2.0580,
0.6145

■ 82.8477, 115.7305,
95.6547

■ 0.0000, 0.6409,
0.0000

■ 107.3628,
146.6430, 123.8793

■ 0.0000, 0.0000,
0.0000

■ 136.2917,

182.6214, 157.1722

169.9998,
224.0501, 195.9521

■ 13.6915, 23.7026,
15.9100

■ 13.6915, 23.7026,
15.9100

■ 13.6918, 23.7034,
15.9096

■ 14.1591, 23.9137,
17.3156

■ 14.7925, 24.2076,
18.8173

■ 15.6611, 24.6208,
20.4203

■ 16.7929, 25.1676,
22.1274

■ 18.2115, 25.8603,
23.9412

■ 19.9380, 26.7096,
25.8643

■ 21.9915, 27.7253,
27.8988

■ 24.3892, 28.9163,
30.0470

■ 27.1475, 30.2910,
32.3109

Harmonies

Analogous

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



16.2770, 23.7026, 8.1091



13.6915, 23.7026, 15.9100



13.2459, 23.7026, 30.9322

Triad

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



13.6915, 23.7026, 15.9100



24.2532, 23.7026, 71.6737



32.3398, 23.7026, 10.5985

Complementary

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



13.6915, 23.7026, 15.9100



13.7804, 7.0299, 4.0002

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.



35.3697, 23.7026, 21.2837



13.6915, 23.7026, 15.9100



30.2054, 23.7026, 59.3798

Square

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



13.6915, 23.7026, 15.9100



18.7378, 23.7026, 68.1789



34.5282, 23.7026, 39.1402



26.7991, 23.7026, 6.0799

Rectangle

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



13.6915, 23.7026, 15.9100



14.1329, 23.7026, 44.2857



34.5282, 23.7026, 39.1402



33.7253, 23.7026, 13.3526

Sweetspot

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



13.6921, 23.7035, 15.9106



39.1452, 49.5332, 49.7376



12.8894, 23.5555, 3.8676



8.3184, 10.7763, 10.6685



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.



13.6921, 23.7035, 15.9106



24.4293, 42.4124, 28.0162



13.7399, 18.2797, 32.9423



6.2936, 6.9902, 7.4696



11.3317, 19.5961, 13.2334



0.1864, 0.2998, 0.2873

Inverse Universe

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



13.7804, 7.0299, 4.0002



24.5979, 12.5569, 6.7421



13.4430, 7.3838, 0.7170



6.2927, 6.2563, 6.9217



11.4031, 5.8155, 3.3817



0.1865, 0.0934, 0.1350

Previews

White Background



This preview shows how the XYZ color 13.6915, 23.7026, 15.9100 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 13.6915, 23.7026, 15.9100 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 13.6915, 23.7026, 15.9100

Background



This preview shows how black text looks on a background with the XYZ color 13.6915, 23.7026, 15.9100.



This preview shows how white text looks on a background with the XYZ color 13.6915, 23.7026,

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

13.6915, 23.7026, 15.9100

Protanopia

21.7775, 23.4597, 13.2779

Deuteranopia

23.8383, 23.4475, 16.9051



Tritanopia

17.9186, 23.7833, 35.9940

Trichromacy



Original Color

13.6915, 23.7026, 15.9100



Protanomaly

15.8121, 21.8396, 13.9718



Deuteranomaly

16.5899, 21.5434, 16.3806



Tritanomaly

15.9225, 23.6411, 27.3909

Monochromacy



Original Color

13.6915, 23.7026, 15.9100



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

11.1798, 15.4625, 14.7072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6915, 23.7026, 15.9100 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, 153, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 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, 153, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 100) }
```

Border

The CSS property to change the border of an element to XYZ 13.6915, 23.7026, 15.9100 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, 153, 100) }
```


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

```
.border{ border-color:rgb(0, 153, 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, 153, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6915, 23.7026, 15.9100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 100) }
```

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

```
.background{ background-color: rgb(0, 153,  
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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