

Converting Colors

XYZ(13.7895, 23.7418, 16.4262)

Have a look what the booklet for
XYZ(13.7895, 23.7418, 16.4262)
contains.

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Color

**XYZ(13.7895, 23.7418,
16.4262)**

Conversions

Conversions Part 1

Format	Color
Hex	009966
RGB	0, 153, 102
RGB Percent	0%, 60%, 40%
CMY	1.0000, 0.4000, 0.6000
CMYK	1.00, 0.00, 0.33, 0.40
HSL	160°, 100%, 30%
HSV	160°, 100%, 60%
XYZ	13.7895, 23.7418, 16.4262
YIQ	101.4390, -74.8170, -48.2970

Conversions

Conversions Part 2

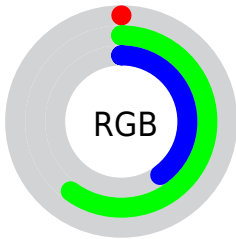
Format	Color
RYB	0, 92, 153
Decimal	39270
CIELab	55.83, -46.88, 17.37
CIELCh	56, 49.993, 159.665
Yxy	23.7418, 0.2556, 0.4400
Android (android.graphics.Color)	4278229350 (0xFF009966)
YUV	101.4390, 0.2766, -88.9620
Hunter-Lab	48.7256, -34.7536, 14.1202

Details

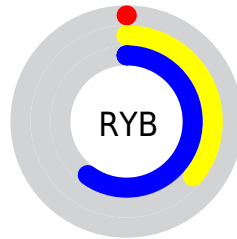
The XYZ color **13.7895, 23.7418, 16.4262** is a dark color, and the websafe version is hex **009966**, and the color name is **green-cyan**. A complement of this color would be **13.7352, 7.0119, 3.7626**, and the grayscale version is **12.4974, 13.1483, 14.3185**.

A 20% lighter version of the original color is **32.2361, 49.4379, 37.9804**, and **5.3433, 9.5832, 5.1826** is the 20% darker color. If you saturate the color by 10%, you get **13.7899, 23.7426, 16.4260**, and if you desaturate by 10%, it is **14.2529, 23.9512, 17.8099**.

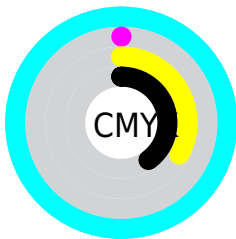
Distribution



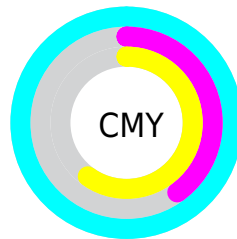
- Red (0%)
- Green (60%)
- Blue (40%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7895, 23.7418, 16.4262 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 13.7895, 23.7418, 16.4262 by changing the saturation by 10% instead.


 13.7895, 23.7418,
16.4262


 13.7895, 23.7418,
16.4262


209.4543,
271.5125, 243.7746


 8.0551, 15.1422,
9.6686

 32.3045, 49.6085,
38.1136


 4.1823, 8.9192,
5.0771


 45.8157, 67.6444,
53.8805


 1.8058, 4.6885,
2.2330


 62.6500, 89.5946,
73.4875

 0.5212, 2.0657,
0.6933

 83.1727, 115.8433,
97.3533

 0.0000, 0.6452,
0.0000

 107.7491,
146.7751, 125.8964

 0.0000, 0.0000,
0.0000

 136.7446,

182.7743, 159.5353

170.5245,
224.2253, 198.6885

■ 13.7895, 23.7418,
16.4262

■ 13.7895, 23.7418,
16.4262

■ 13.7899, 23.7426,
16.4260

■ 14.2529, 23.9512,
17.8099

■ 14.8809, 24.2430,
19.2834

■ 15.7430, 24.6536,
20.8520

■ 16.8670, 25.1973,
22.5182

■ 18.2765, 25.8863,
24.2844

■ 19.9927, 26.7314,
26.1530

■ 22.0344, 27.7424,
28.1261

■ 24.4191, 28.9282,
30.2058

■ 27.1629, 30.2971,
32.3939

Harmonies

Analogous

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



16.2829, 23.7418, 8.4645



13.7895, 23.7418, 16.4262



13.4141, 23.7418, 31.4707

Triad

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



13.7895, 23.7418, 16.4262



24.4512, 23.7418, 70.6235



32.0700, 23.7418, 10.5748

Complementary

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



13.7895, 23.7418, 16.4262



13.7352, 7.0119, 3.7626

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.



35.1484, 23.7418, 20.9432



13.7895, 23.7418, 16.4262



30.2870, 23.7418, 58.2149

Square

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



13.7895, 23.7418, 16.4262



18.9763, 23.7418, 67.7195



34.4461, 23.7418, 38.3278



26.5818, 23.7418, 6.2052

Rectangle

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



13.7895, 23.7418, 16.4262



14.3377, 23.7418, 44.6467



34.4461, 23.7418, 38.3278



33.4595, 23.7418, 13.2460

Sweetspot

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



13.7901, 23.7427, 16.4268



39.2239, 49.5647, 50.1521



12.8893, 23.5554, 3.8676



8.3376, 10.7840, 10.7697



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.



13.7901, 23.7427, 16.4268



24.6062, 42.4832, 28.9474



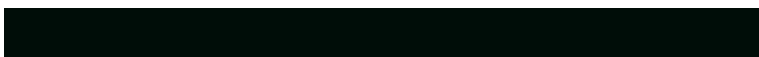
13.7399, 18.2796, 32.9423



6.2970, 6.9915, 7.4873



11.4125, 19.6285, 13.6589



0.1873, 0.3001, 0.2921

Inverse Universe

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



13.7352, 7.0119, 3.7626



24.5190, 12.5254, 6.3267



13.4430, 7.3837, 0.7169



6.2895, 6.2550, 6.9046



11.3655, 5.8004, 3.1838



0.1856, 0.0930, 0.1302

Previews

White Background



This preview shows how the XYZ color 13.7895, 23.7418, 16.4262 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 13.7895, 23.7418, 16.4262 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 13.7895, 23.7418, 16.4262

Background



This preview shows how black text looks on a background with the XYZ color 13.7895, 23.7418, 16.4262.



This preview shows how white text looks on a background with the XYZ color 13.7895, 23.7418,

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

13.7895, 23.7418, 16.4262

Protanopia

21.8649, 23.4947, 13.7384

Deuteranopia

23.9435, 23.4896, 17.4593



Tritanopia

17.9186, 23.7833, 35.9940

Trichromacy



Original Color

13.7895, 23.7418, 16.4262



Protanomaly

15.9030, 21.8760, 14.4506



Deuteranomaly

16.6928, 21.5846, 16.9221



Tritanomaly

15.9946, 23.6700, 27.7705

Monochromacy



Original Color

13.7895, 23.7418, 16.4262



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 13.7895, 23.7418, 16.4262 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 102) }
```

Border

The CSS property to change the border of an element to XYZ 13.7895, 23.7418, 16.4262 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, 102) }
```


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

```
.border{ border-color:rgb(0, 153, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7895, 23.7418, 16.4262 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, 102) }
```

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

```
.background{ background-color: rgb(0, 153,  
102) }
```

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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