

Converting Colors

XYZ(13.2359, 23.1325, 20.3628)

Have a look what the booklet for
XYZ(13.2359, 23.1325, 20.3628)
contains.

XYZ(14.3806, 23.7174, 20.3430)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.3806, 23.7174,
20.3430)**

Conversions

Conversions Part 1

Format	Color
Hex	009874
RGB	0, 152, 116
RGB Percent	0%, 60%, 45%
CMY	1.0000, 0.4039, 0.5451
CMYK	1.00, 0.00, 0.24, 0.40
HSL	166°, 100%, 30%
HSV	166°, 100%, 60%
XYZ	14.3806, 23.7174, 20.3430
YIQ	102.4480, -79.0360, -43.4200

Conversions

Conversions Part 2

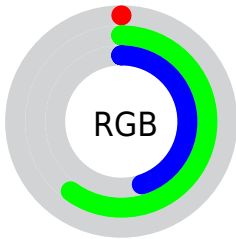
Format	Color
RYB	0, 86, 152
Decimal	39028
CIELab	55.80, -43.07, 9.46
CIELCh	56, 44.097, 167.607
Yxy	23.7174, 0.2461, 0.4058
Android (android.graphics.Color)	4278229108 (0xFF009874)
YUV	102.4480, 6.6811, -89.8469
Hunter-Lab	48.7005, -32.5173, 9.3240

Details

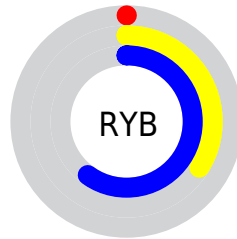
The XYZ color **14.3806, 23.7174, 20.3430** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.2681, 6.8033, 2.2840**, and the grayscale version is **12.7457, 13.4095, 14.6030**.

A 20% lighter version of the original color is **33.3112, 49.4790, 44.8405**, and **5.6006, 9.5317, 7.0135** is the 20% darker color. If you saturate the color by 10%, you get **14.3809, 23.7182, 20.3427**, and if you desaturate by 10%, it is **14.7951, 23.9070, 21.4776**.

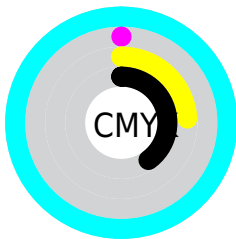
Distribution



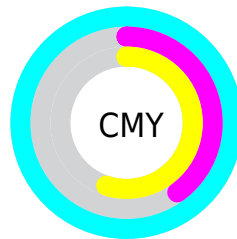
- Red (0%)
- Green (60%)
- Blue (45%)



- Red (0%)
- Yellow (34%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.3806, 23.7174, 20.3430 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 14.3806, 23.7174, 20.3430 by changing the saturation by 10% instead.


 14.3806, 23.7174,
20.3430


 14.3806, 23.7174,
20.3430


213.0494,
271.3886, 266.4314


 8.4693, 15.1241,
12.4581


 33.3435, 49.5686,
44.8580


 4.4510, 8.9065,
6.9301


 47.1258, 67.5954,
62.3252


 1.9603, 4.6803,
3.3407

 64.2625, 89.5354,
83.8235

 0.6115, 2.0609,
1.2711

 85.1190, 115.7731,
109.7715

 0.0000, 0.6425,
0.0379

 110.0606,
146.6929, 140.5878

 0.0000, 0.0000,
0.0000

 139.4526,

182.6792, 176.6908

173.6604,
224.1163, 218.4991

■ 14.3806, 23.7174,
20.3430

■ 14.3806, 23.7174,
20.3430

■ 14.3809, 23.7182,
20.3427

■ 14.7951, 23.9070,
21.4776

■ 15.3640, 24.1747,
22.6617

■ 16.1559, 24.5563,
23.8996

■ 17.1980, 25.0660,
25.1930

■ 18.5135, 25.7156,
26.5433

■ 20.1229, 26.5158,
27.9521

■ 22.0447, 27.4760,
29.4205

■ 24.2959, 28.6050,
30.9499

■ 26.8921, 29.9109,
32.5413

Harmonies

Analogous

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



16.1491, 23.7174, 11.3295



14.3806, 23.7174, 20.3430



14.5494, 23.7174, 35.1030

Triad

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



14.3806, 23.7174, 20.3430



25.5847, 23.7174, 62.0672



29.6831, 23.7174, 10.3352

Complementary

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



14.3806, 23.7174, 20.3430



13.2681, 6.8033, 2.2840

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.



33.0304, 23.7174, 18.3441



14.3806, 23.7174, 20.3430



30.4339, 23.7174, 49.2550

Square

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



14.3806, 23.7174, 20.3430



20.5373, 23.7174, 63.2402



33.3240, 23.7174, 32.2109



24.6745, 23.7174, 7.1612

Rectangle

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



14.3806, 23.7174, 20.3430



15.7385, 23.7174, 46.5895



33.3240, 23.7174, 32.2109



31.0701, 23.7174, 12.3796

Sweetspot

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



14.3812, 23.7183, 20.3436



38.6933, 48.3879, 51.7721



12.0284, 22.8695, 3.7806



8.4832, 10.8422, 11.5364



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.



14.3812, 23.7183, 20.3436



25.3113, 41.8349, 35.5283



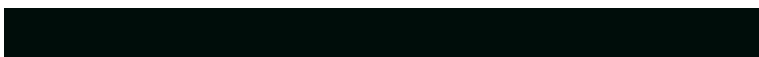
11.6857, 14.3029, 31.8516



6.3220, 7.0015, 7.6190



12.0701, 19.8915, 17.1214



0.1941, 0.3028, 0.3276

Inverse Universe

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



13.2681, 6.8033, 2.2840



23.3593, 11.9840, 3.7196



13.6428, 8.0625, 0.8375



6.2658, 6.2455, 6.7798



11.1350, 5.7082, 1.9700



0.1789, 0.0903, 0.0947

Previews

White Background



This preview shows how the XYZ color 14.3806, 23.7174, 20.3430 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 14.3806, 23.7174, 20.3430 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 14.3806, 23.7174, 20.3430

Background



This preview shows how black text looks on a background with the XYZ color 14.3806, 23.7174, 20.3430.



This preview shows how white text looks on a background with the XYZ color 14.3806, 23.7174,

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

14.3806, 23.7174, 20.3430

Protanopia

22.0259, 23.4993, 17.2849

Deuteranopia

23.7480, 23.3028, 21.3354



Tritanopia

17.6694, 23.6548, 35.9823

Trichromacy



Original Color

14.3806, 23.7174, 20.3430



Protanomaly

16.4090, 22.0556, 18.1442



Deuteranomaly

16.9947, 21.6561, 20.7371



Tritanomaly

16.1129, 23.4543, 29.6645

Monochromacy



Original Color

14.3806, 23.7174, 20.3430



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

11.5503, 15.6183, 16.3158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3806, 23.7174, 20.3430 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, 152, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 116)  
}
```

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, 152, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 116) }
```

Border

The CSS property to change the border of an element to XYZ 14.3806, 23.7174, 20.3430 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, 152, 116) }
```


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

```
.border{ border-color:rgb(0, 152, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3806, 23.7174, 20.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 116) }
```

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

```
.background{ background-color: rgb(0, 152,  
116) }
```

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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