

Converting Colors

XYZ(14.3256, 16.8444, 31.9460)

Have a look what the booklet for
XYZ(14.3256, 16.8444, 31.9460)
contains.

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Color

**XYZ(14.3478, 16.9012,
31.7842)**

Conversions

Conversions Part 1

Format	Color
Hex	3D7997
RGB	61, 121, 151
RGB Percent	24%, 47%, 59%
CMY	0.7608, 0.5255, 0.4078
CMYK	0.60, 0.20, 0.00, 0.41
HSL	200°, 42%, 42%
HSV	200°, 60%, 59%
XYZ	14.3478, 16.9012, 31.7842
YIQ	106.4800, -45.3900, -3.3900

Conversions

Conversions Part 2

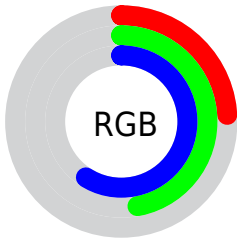
Format	Color
RYB	61, 97, 151
Decimal	4028823
CIELab	48.14, -10.22, -22.09
CIElCh	48, 24.343, 245.180
Yxy	16.9012, 0.2276, 0.2681
Android (android.graphics.Color)	4282218903 (0xFF3D7997)
YUV	106.4800, 21.9484, -39.8860
Hunter-Lab	41.1111, -9.6477, -17.0611

Details

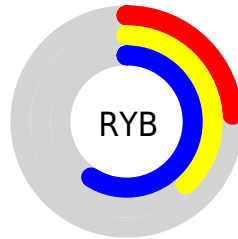
The XYZ color **14.3478, 16.9012, 31.7842** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.3466, 14.3993, 6.2808**, and the grayscale version is **13.7825, 14.5003, 15.7908**.

A 20% lighter version of the original color is **33.1655, 38.0079, 63.3459**, and **4.6176, 5.5548, 12.8854** is the 20% darker color. If you saturate the color by 10%, you get **12.9502, 15.2965, 31.5484**, and if you desaturate by 10%, it is **16.0402, 18.7059, 32.0437**.

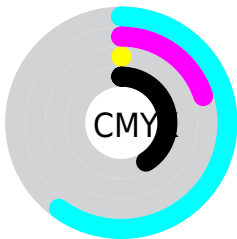
Distribution



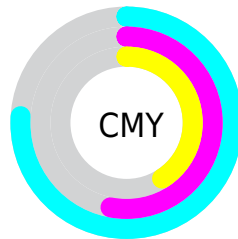
- Red (24%)
- Green (47%)
- Blue (59%)



- Red (24%)
- Yellow (38%)
- Blue (59%)



- Cyan (60%)
- Magenta (20%)
- Yellow (0%)
- Black (41%)



- Cyan (76%)
- Magenta (53%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3478, 16.9012, 31.7842 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 14.3478, 16.9012, 31.7842 by changing the saturation by 10% instead.

■ 14.3478, 16.9012,
31.7842

■ 14.3478, 16.9012,
31.7842

212.8515,
234.6024, 324.5974

■ 8.4463, 10.1641,
20.9333

■ 33.2860, 38.1558,
63.5666

■ 4.4360, 5.5079,
12.8845

■ 47.0534, 53.4421,
85.3352

■ 1.9516, 2.5482,
7.2192

■ 64.1735, 72.3469,
111.5800

■ 0.6066, 0.9007,
3.5191

■ 85.0116, 95.2546,
142.7197

■ 0.0000, 0.0000,
1.3654

■ 109.9331,
122.5496, 179.1727

■ 0.0000, 0.0000,
0.1145

139.3034,

■ 0.0000, 0.0000,

154.6163, 221.3576

0.0000

173.4877,
191.8391, 269.6930

■ 14.3478, 16.9012,
31.7842

■ 14.3478, 16.9012,
31.7842

■ 12.9502, 15.2965,
31.5484

■ 16.0402, 18.7059,
32.0437

■ 11.8225, 13.8773,
31.3339

■ 18.0462, 20.7200,
32.3267

■ 10.9385, 12.6297,
31.1397

■ 20.3848, 22.9544,
32.6347

■ 10.2344, 11.5200,
30.9626

■ 23.0730, 25.4185,
32.9687

■ 10.2073, 11.4770,
30.9558

■ 26.1267, 28.1210,
33.3294

■ 29.5605, 31.0703,
33.7176

■ 33.3884, 34.2741,
34.1343

■ 37.6237, 37.7399,
34.5800

■ 42.2788, 41.4748,
35.0556

Harmonies

Analogous

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



12.8392, 16.9012, 26.3304



14.3478, 16.9012, 31.7842



16.4503, 16.9012, 33.3539

Triad

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



14.3478, 16.9012, 31.7842



20.6718, 16.9012, 17.3269



13.7411, 16.9012, 10.1492

Complementary

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



14.3478, 16.9012, 31.7842



17.3466, 14.3993, 6.2808

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.



15.6840, 16.9012, 8.7585



14.3478, 16.9012, 31.7842



19.7882, 16.9012, 12.2509

Square

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



14.3478, 16.9012, 31.7842



20.2318, 16.9012, 23.9900



17.9121, 16.9012, 9.4289



12.5121, 16.9012, 13.7579

Rectangle

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



14.3478, 16.9012, 31.7842



17.9381, 16.9012, 31.7377



17.9121, 16.9012, 9.4289



14.3254, 16.9012, 9.4497

Sweetspot

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



14.3484, 16.9018, 31.7846



41.9619, 46.0970, 59.1197



14.8800, 23.8811, 13.7237



9.2213, 10.1926, 13.3988



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.



14.3484, 16.9018, 31.7846



22.3611, 26.3792, 56.3468



10.0956, 8.3962, 30.3670



6.2110, 6.6794, 7.8909



8.7104, 9.8174, 26.3436



0.1633, 0.2129, 0.4049

Inverse Universe

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



17.8830, 11.2980, 19.3279



29.6640, 16.6902, 30.1860



22.4095, 24.5251, 7.9684



6.3736, 6.2886, 7.3476



12.8554, 6.3964, 11.0292



0.2089, 0.1023, 0.2528

Previews

White Background



This preview shows how the XYZ color 14.3478, 16.9012, 31.7842 looks on a white 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

Black Background



This preview shows how the XYZ color 14.3478, 16.9012, 31.7842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

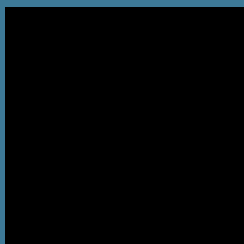
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.3478, 16.9012, 31.7842

Background



This preview shows how black text looks on a background with the XYZ color 14.3478, 16.9012, 31.7842.



This preview shows how white text looks on a background with the XYZ color 14.3478, 16.9012,

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

14.3478, 16.9012, 31.7842

Protanopia

16.8489, 16.6968, 29.1228

Deuteranopia

17.1375, 16.7718, 32.4710



Tritanopia

13.0320, 16.9208, 25.1334

Trichromacy



Original Color

14.3478, 16.9012, 31.7842

Protanomaly

15.6136, 16.5417, 29.9737

Deuteranomaly

15.8227, 16.6032, 32.0765

Tritanomaly

13.5039, 16.9292, 27.3669

Monochromacy



Original Color

14.3478, 16.9012, 31.7842

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4137, 14.9477, 20.5906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3478, 16.9012, 31.7842 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(61, 121, 151)` looks like.

```
.text, #text, p{  
    color:rgb(61, 121, 151)  
}
```

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(61, 121, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 121, 151) }
```

Border

The CSS property to change the border of an element to XYZ 14.3478, 16.9012, 31.7842 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(61, 121, 151) }
```


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

```
.border{ border-color:rgb(61, 121, 151) }
```

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

Here you see how a box with a 4 pixel rgb(61, 121, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 121, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 121, 151);  
box-shadow:4px 4px 4px 4px rgb(61, 121,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3478, 16.9012, 31.7842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 121, 151) }
```

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

```
.background{ background-color: rgb(61, 121,  
151) }
```

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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