

Converting Colors

XYZ(13.1368, 16.9648, 24.4878)

Have a look what the booklet for
XYZ(13.1368, 16.9648, 24.4878)
contains.

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Color

**XYZ(13.1174, 16.9808,
24.4161)**

Conversions

Conversions Part 1

Format	Color
Hex	3A7C84
RGB	58, 124, 132
RGB Percent	23%, 49%, 52%
CMY	0.7725, 0.5137, 0.4823
CMYK	0.56, 0.06, 0.00, 0.48
HSL	186°, 39%, 37%
HSV	186°, 56%, 52%
XYZ	13.1174, 16.9808, 24.4161
YIQ	105.1780, -41.9040, -11.5040

Conversions

Conversions Part 2

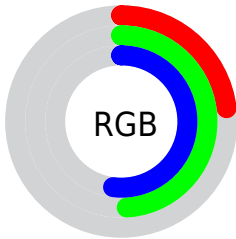
Format	Color
RYB	58, 93, 132
Decimal	3832964
CIELab	48.24, -18.49, -10.76
CIElCh	48, 21.391, 210.187
Yxy	16.9808, 0.2406, 0.3115
Android (android.graphics.Color)	4282023044 (0xFF3A7C84)
YUV	105.1780, 13.2232, -41.3751
Hunter-Lab	41.2078, -15.2928, -6.2846




Details

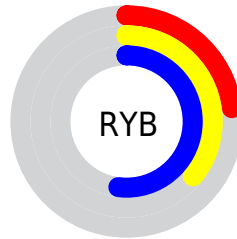
The XYZ color **13.1174, 16.9808, 24.4161** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.2279, 9.1077, 5.1168**, and the grayscale version is **13.4493, 14.1497, 15.4091**.




A 20% lighter version of the original color is **31.1612, 38.3918, 51.6669**, and **4.0774, 5.6567, 9.0606** is the 20% darker color. If you saturate the color by 10%, you get **12.2688, 16.2802, 24.3259**, and if you desaturate by 10%, it is **14.1664, 17.7893, 24.5172**.

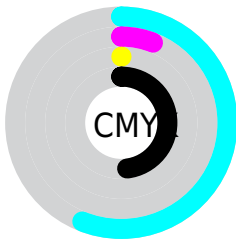
Distribution







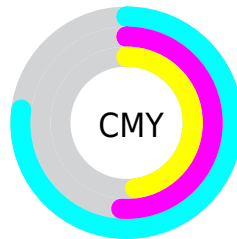
-  Red (23%)
-  Green (49%)
-  Blue (52%)






-  Red (23%)
-  Yellow (36%)
-  Blue (52%)



-  Cyan (56%)
-  Magenta (6%)
-  Yellow (0%)
-  Black (48%)



-  Cyan (77%)
-  Magenta (51%)
-  Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1174, 16.9808, 24.4161 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 13.1174, 16.9808, 24.4161 by changing the saturation by 10% instead.

■ 13.1174, 16.9808,
24.4161

■ 13.1174, 16.9808,
24.4161

205.2911,
235.0617, 288.2715

■ 7.5870, 10.2208,
15.4275

■ 31.1141, 38.2928,
51.6607

■ 3.8814, 5.5456,
8.9700

■ 44.3110, 53.6135,
70.7538

■ 1.6353, 2.5708,
4.6251

■ 60.7942, 72.5566,
94.0521

■ 0.4152, 0.9120,
1.9742

■ 80.9290, 95.5065,
121.9742

■ 0.0000, 0.0000,
0.5393

■ 105.0807,
122.8476, 154.9387

■ 0.0000, 0.0000,
0.0000

133.6148,

154.9642, 193.3640

166.8964,
192.2408, 237.6688

■ 13.1174, 16.9808,
24.4161

■ 13.1174, 16.9808,
24.4161

■ 12.2688, 16.2802,
24.3259

■ 14.1664, 17.7893,
24.5172

■ 11.6037, 15.6776,
24.2446

■ 15.4280, 18.7110,
24.6286

■ 11.1050, 15.1646,
24.1719

■ 16.9153, 19.7528,
24.7513

■ 10.7433, 14.7260,
24.1063

■ 18.6397, 20.9208,
24.8858

■ 10.6119, 14.5599,
24.0812

■ 20.6122, 22.2206,
25.0328

■ 22.8426, 23.6572,
25.1925

■ 25.3407, 25.2358,
25.3655

■ 28.1153, 26.9609,
25.5523

■ 31.1751, 28.8370,
25.7531

Harmonies

Analogous

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



12.6806, 16.9808, 18.5241



13.1174, 16.9808, 24.4161



14.3505, 16.9808, 29.4293

Triad

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



13.1174, 16.9808, 24.4161



19.6078, 16.9808, 24.3434



16.1276, 16.9808, 9.7120

Complementary

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



13.1174, 16.9808, 24.4161



12.2279, 9.1077, 5.1168

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.



18.0719, 16.9808, 10.6646



13.1174, 16.9808, 24.4161



20.1769, 16.9808, 18.4543

Square

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



13.1174, 16.9808, 24.4161



18.0947, 16.9808, 29.3817



19.5939, 16.9808, 13.6086



14.3309, 16.9808, 10.6888

Rectangle

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



13.1174, 16.9808, 24.4161



15.5105, 16.9808, 31.1822



19.5939, 16.9808, 13.6086



16.7857, 16.9808, 9.8144

Sweetspot

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



13.1179, 16.9814, 24.4165



32.4076, 36.5666, 43.8032



10.9623, 17.7887, 7.9182



7.4227, 8.4312, 10.1889



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.1179, 16.9814, 24.4165



21.2969, 28.4029, 42.8130



9.3671, 9.4798, 23.1662



4.7598, 5.1952, 5.9527



10.2771, 14.1021, 23.3170



0.0387, 0.0550, 0.0818

Inverse Universe

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



14.6673, 9.3873, 20.1084



24.4073, 13.9915, 33.9775



15.0706, 14.7930, 6.0643



4.8368, 4.7544, 5.7528



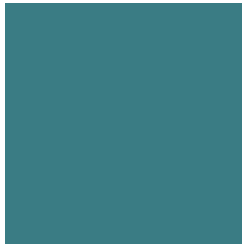
12.3655, 6.0106, 17.0291



0.0444, 0.0214, 0.0671

Previews

White Background



This preview shows how the XYZ color 13.1174, 16.9808, 24.4161 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 13.1174, 16.9808, 24.4161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

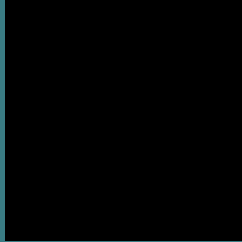
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1174, 16.9808, 24.4161

Background



This preview shows how black text looks on a background with the XYZ color 13.1174, 16.9808, 24.4161.



This preview shows how white text looks on a background with the XYZ color 13.1174, 16.9808,

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

13.1174, 16.9808, 24.4161

Protanopia

16.4169, 16.8016, 21.7798

Deuteranopia

17.1278, 16.7630, 25.2545



Tritanopia

13.3144, 17.0663, 25.1466

Trichromacy



Original Color

13.1174, 16.9808, 24.4161

Protanomaly

14.7718, 16.6082, 22.8492

Deuteranomaly

15.1646, 16.5917, 24.9575

Tritanomaly

13.2449, 17.0386, 24.7810

Monochromacy



Original Color

13.1174, 16.9808, 24.4161

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.9132, 14.9009, 18.4152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1174, 16.9808, 24.4161 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(58, 124, 132)` looks like.

```
.text, #text, p{  
    color:rgb(58, 124, 132)  
}
```

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(58, 124, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 124, 132) }
```

Border

The CSS property to change the border of an element to XYZ 13.1174, 16.9808, 24.4161 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(58, 124, 132) }
```


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

```
.border{ border-color:rgb(58, 124, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 124, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 124, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 124, 132);  
box-shadow:4px 4px 4px 4px rgb(58, 124,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1174, 16.9808, 24.4161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 124, 132) }
```

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

```
.background{ background-color: rgb(58, 124,  
132) }
```

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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