

Converting Colors

XYZ(24.1563, 34.3484, 18.4801)

Have a look what the booklet for
XYZ(24.1563, 34.3484, 18.4801)
contains.

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Color

**XYZ(24.1244, 34.3314,
18.4518)**

Conversions

Conversions Part 1

Format	Color
Hex	70AD68
RGB	112, 173, 104
RGB Percent	44%, 68%, 41%
CMY	0.5608, 0.3216, 0.5921
CMYK	0.35, 0.00, 0.40, 0.32
HSL	113°, 30%, 54%
HSV	113°, 40%, 68%
XYZ	24.1244, 34.3314, 18.4518
YIQ	146.8950, -14.2070, -34.3910

Conversions

Conversions Part 2

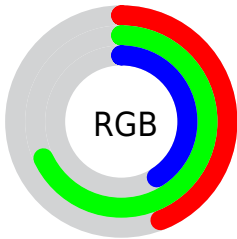
Format	Color
RYB	104, 173, 165
Decimal	7384424
CIELab	65.22, -33.53, 29.37
CIELCh	65, 44.573, 138.790
Yxy	34.3314, 0.3137, 0.4464
Android (android.graphics.Color)	4285574504 (0xFF70AD68)
YUV	146.8950, -21.1472, -30.6029
Hunter-Lab	58.5930, -29.0442, 22.3438

Details

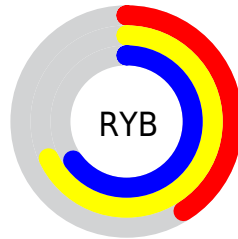
The XYZ color **24.1244, 34.3314, 18.4518** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.0117, 20.9181, 42.0982**, and the grayscale version is **27.7794, 29.2261, 31.8272**.

A 20% lighter version of the original color is **49.7459, 66.5459, 41.6752**, and **9.2695, 14.6694, 5.9574** is the 20% darker color. If you saturate the color by 10%, you get **21.5509, 33.0971, 14.2055**, and if you desaturate by 10%, it is **27.2105, 35.8112, 23.6646**.

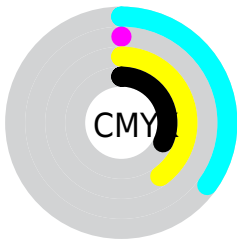
Distribution



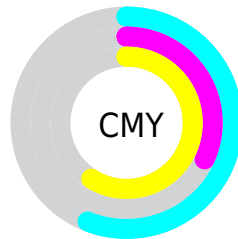
- Red (44%)
- Green (68%)
- Blue (41%)



- Red (41%)
- Yellow (68%)
- Blue (65%)



- Cyan (35%)
- Magenta (0%)
- Yellow (40%)
- Black (32%)



- Cyan (56%)
- Magenta (32%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1244, 34.3314, 18.4518 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 24.1244, 34.3314, 18.4518 by changing the saturation by 10% instead.

■ 24.1244, 34.3314,
18.4518

■ 24.1244, 34.3314,
18.4518

265.8776,
321.6072, 255.7265

■ 15.5512, 23.1483,
11.1021

■ 49.6863, 66.4487,
41.6300

■ 9.2959, 14.7031,
6.0205

■ 67.4057, 88.1517,
58.2955

■ 4.9934, 8.6112,
2.7885

■ 88.9046, 114.1301,
78.9033

■ 2.2781, 4.4885,
0.9877

■ 114.5482,
144.7683, 103.8721

■ 0.7834, 1.9504,
0.0000

144.7019,
180.4507, 133.6202

■ 0.0000, 0.5784,
0.0000

179.7312,

■ 0.0000, 0.0000,

221.5618, 168.5663

0.0000

220.0013,
268.4858, 209.1289

■ 24.1244, 34.3314,
18.4518

■ 24.1244, 34.3314,
18.4518

■ 21.5509, 33.0971,
14.2055

■ 27.2105, 35.8112,
23.6646

■ 19.4596, 32.0908,
10.8642

■ 30.8324, 37.5442,
29.8958

■ 17.8210, 31.2997,
8.3629


■ 35.0148, 39.5430,
37.1965


■ 16.6010, 30.7079,
6.6269


■ 39.7802, 41.8183,
45.6135


■ 15.7606, 30.2972,
5.5683


■ 45.1499, 44.3801,
55.1909


 15.2386, 30.0401,
5.0009

 51.1441, 47.2378,
65.9704

 15.2339, 30.0378,
4.9950

 57.7820, 50.4006,
77.9917

 65.0819, 53.8770,
91.2926

 72.2948, 57.3687,
101.8707

Harmonies

Analogous

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



28.7791, 34.3314, 12.7493



24.1244, 34.3314, 18.4518



21.8689, 34.3314, 30.8624

Triad

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



24.1244, 34.3314, 18.4518



30.2675, 34.3314, 84.4620



45.9091, 34.3314, 27.0228

Complementary

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



24.1244, 34.3314, 18.4518



28.0117, 20.9181, 42.0982

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.



46.4465, 34.3314, 44.7585



24.1244, 34.3314, 18.4518



36.8121, 34.3314, 82.3768

Square

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



24.1244, 34.3314, 18.4518



25.0894, 34.3314, 71.1756



42.9335, 34.3314, 66.1725



41.5499, 34.3314, 16.4455

Rectangle

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



24.1244, 34.3314, 18.4518



21.7989, 34.3314, 43.1048



42.9335, 34.3314, 66.1725



46.5623, 34.3314, 32.1879

Sweetspot

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



24.1253, 34.3329, 18.4526



60.8738, 69.9407, 63.3988



33.1799, 36.7776, 18.4472



13.0212, 15.1003, 13.4138



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.1253, 34.3329, 18.4526



39.0357, 59.4844, 26.1578



24.7131, 34.4556, 26.6268



7.9875, 8.9822, 8.5261



11.2174, 22.0799, 3.6706



0.3387, 0.6280, 0.1034

Inverse Universe

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



28.0117, 20.9181, 42.0982



46.9603, 32.0377, 74.5146



27.4163, 20.8782, 30.0051



8.2443, 8.1003, 10.0817



15.2156, 7.2038, 29.6330



0.4486, 0.2134, 0.8255

Previews

White Background



This preview shows how the XYZ color 24.1244, 34.3314, 18.4518 looks on a white background.

Color Contrast Check

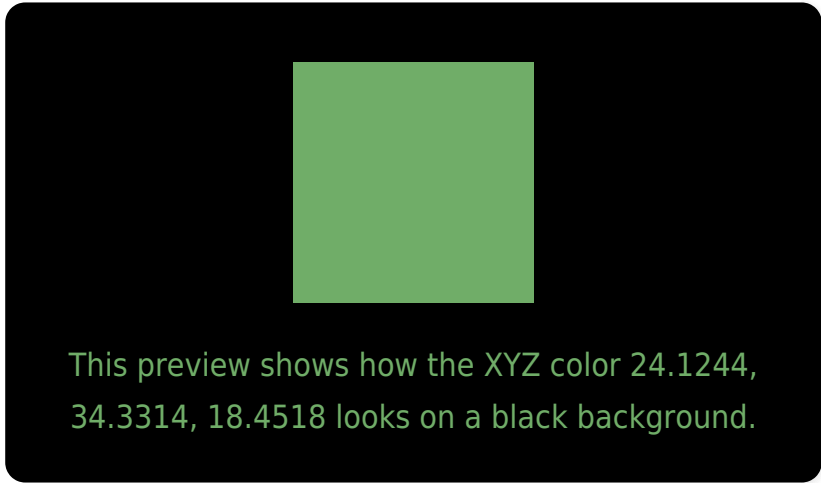
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

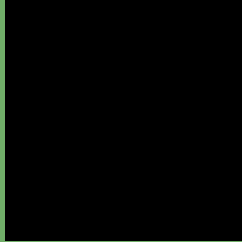
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.1244, 34.3314, 18.4518

Background



This preview shows how black text looks on a background with the XYZ color 24.1244, 34.3314, 18.4518.



This preview shows how white text looks on a background with the XYZ color 24.1244, 34.3314,

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

24.1244, 34.3314, 18.4518

Protanopia

31.4447, 34.1062, 16.4811

Deuteranopia

34.5660, 33.9287, 19.1951



Tritanopia

29.6687, 34.0852, 46.6104

Trichromacy



Original Color

24.1244, 34.3314, 18.4518

Protanomaly

27.9751, 33.5985, 17.0673

Deuteranomaly

29.5492, 33.3314, 18.7861

Tritanomaly

27.0695, 33.8325, 33.9578

Monochromacy



Original Color

24.1244, 34.3314, 18.4518

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

25.8167, 30.4840, 25.9960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1244, 34.3314, 18.4518 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(112, 173, 104)` looks like.

```
.text, #text, p{  
    color:rgb(112, 173, 104)  
}
```

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(112, 173, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 173, 104) }
```

Border

The CSS property to change the border of an element to XYZ 24.1244, 34.3314, 18.4518 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(112, 173, 104) }
```


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

```
.border{ border-color:rgb(112, 173, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 173, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 173, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 173, 104);  
box-shadow:4px 4px 4px 4px rgb(112, 173,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1244, 34.3314, 18.4518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 173, 104) }
```

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

```
.background{ background-color: rgb(112,  
173, 104) }
```

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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