

Converting Colors

XYZ(23.8131, 34.3509, 15.4781)

Have a look what the booklet for
XYZ(23.8131, 34.3509, 15.4781)
contains.

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Color

**XYZ(23.6854, 34.1706,
15.4724)**

Conversions

Conversions Part 1

Format	Color
Hex	71AD5C
RGB	113, 173, 92
RGB Percent	44%, 68%, 36%
CMY	0.5569, 0.3216, 0.6392
CMYK	0.35, 0.00, 0.47, 0.32
HSL	104°, 33%, 52%
HSV	104°, 47%, 68%
XYZ	23.6854, 34.1706, 15.4724
YIQ	145.8260, -9.7590, -37.9110

Conversions

Conversions Part 2

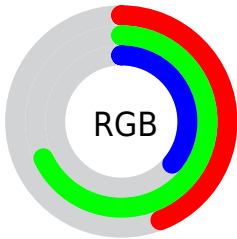
Format	Color
RYB	92, 173, 152
Decimal	7449948
CIELab	65.10, -34.92, 35.46
CIELCh	65, 49.763, 134.560
Yxy	34.1706, 0.3230, 0.4660
Android (android.graphics.Color)	4285640028 (0xFF71AD5C)
YUV	145.8260, -26.5362, -28.7884
Hunter-Lab	58.4556, -29.9716, 25.2257

Details

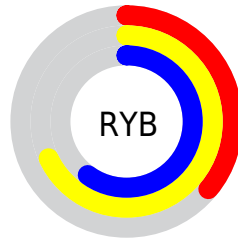
The XYZ color **23.6854, 34.1706, 15.4724** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **24.3204, 17.3478, 41.6037**, and the grayscale version is **27.3592, 28.7840, 31.3458**.

A 20% lighter version of the original color is **48.9897, 66.2677, 36.5945**, and **9.0770, 14.5995, 4.6251** is the 20% darker color. If you saturate the color by 10%, you get **21.4801, 33.1124, 11.8624**, and if you desaturate by 10%, it is **26.2980, 35.4209, 20.0044**.

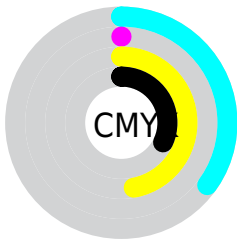
Distribution



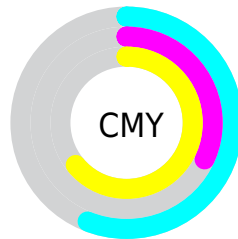
- Red (44%)
- Green (68%)
- Blue (36%)



- Red (36%)
- Yellow (68%)
- Blue (60%)



- Cyan (35%)
- Magenta (0%)
- Yellow (47%)
- Black (32%)



- Cyan (56%)
- Magenta (32%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6854, 34.1706, 15.4724 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 23.6854, 34.1706, 15.4724 by changing the saturation by 10% instead.

■ 23.6854, 34.1706,
15.4724

■ 23.6854, 34.1706,
15.4724

263.6962,
320.8921, 237.9465

■ 15.2239, 23.0247,
9.0013

■ 48.9748, 66.1989,
36.4338

■ 9.0640, 14.6117,
4.6452

■ 66.5333, 87.8500,
51.7611

■ 4.8404, 8.5474,
1.9856

■ 87.8549, 113.7717,
70.8776

■ 2.1877, 4.4471,
0.5464

■ 113.3049,
144.3484, 94.2018

■ 0.7363, 1.9267,
0.0000

143.2487,
179.9643, 122.1523

■ 0.0000, 0.5644,
0.0000

178.0516,

■ 0.0000, 0.0000,

221.0040, 155.1475

0.0000

218.0790,
267.8518, 193.6060

■ 23.6854, 34.1706,
15.4724

■ 23.6854, 34.1706,
15.4724

■ 21.4801, 33.1124,
11.8624

■ 26.2980, 35.4209,
20.0044

■ 19.6579, 32.2321,
9.1089

■ 29.3352, 36.8678,
25.5133

■ 18.1959, 31.5204,
7.1415


■ 32.8166, 38.5214,
32.0525


■ 17.0672, 30.9653,
5.8775


■ 36.7594, 40.3895,
39.6709


■ 16.2373, 30.5517,
5.1992


■ 41.1801, 42.4795,
48.4142

 16.0198, 30.4430,
5.0318

 46.0945, 44.7987,
58.3254

 51.5173, 47.3537,
69.4454

 57.4629, 50.1512,
81.8130

 63.9449, 53.1973,
95.4654

Harmonies

Analogous

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



29.1144, 34.1706, 10.4807



23.6854, 34.1706, 15.4724



20.8587, 34.1706, 27.6007

Triad

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



23.6854, 34.1706, 15.4724



28.9236, 34.1706, 90.1352



47.8382, 34.1706, 28.0861

Complementary

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



23.6854, 34.1706, 15.4724



24.3204, 17.3478, 41.6037

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.



47.7669, 34.1706, 48.8154



23.6854, 34.1706, 15.4724



36.0915, 34.1706, 90.4201

Square

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



23.6854, 34.1706, 15.4724



23.5636, 34.1706, 72.6191



43.2152, 34.1706, 73.2946



43.3976, 34.1706, 15.7139

Rectangle

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



23.6854, 34.1706, 15.4724



20.5206, 34.1706, 40.4546



43.2152, 34.1706, 73.2946



48.3599, 34.1706, 34.1361

Sweetspot

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



23.6862, 34.1721, 15.4732



60.5090, 69.8114, 60.7285



30.2979, 31.9207, 14.6901



12.8423, 15.0257, 12.6086



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.



23.6862, 34.1721, 15.4732



38.4113, 59.2727, 21.1546



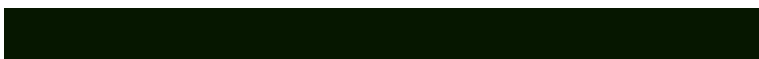
22.2220, 33.3096, 20.2689



8.0919, 9.0360, 8.5310



11.8151, 22.3880, 3.6986



0.3799, 0.6492, 0.1053

Inverse Universe

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



24.3204, 17.3478, 41.6037



39.6394, 25.4608, 73.6310



26.9031, 18.8759, 32.8425



8.1314, 8.0420, 10.0764



12.1535, 5.6252, 29.4897



0.3853, 0.1808, 0.8226

Previews

White Background



This preview shows how the XYZ color 23.6854, 34.1706, 15.4724 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



This preview shows how the XYZ color 23.6854, 34.1706, 15.4724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

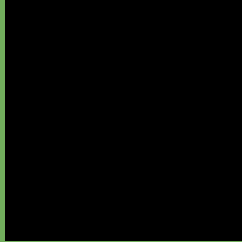
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.6854, 34.1706, 15.4724

Background



This preview shows how black text looks on a background with the XYZ color 23.6854, 34.1706, 15.4724.



This preview shows how white text looks on a background with the XYZ color 23.6854, 34.1706,

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

23.6854, 34.1706, 15.4724

Protanopia

30.9703, 33.6701, 13.6708

Deuteranopia

34.3462, 33.6417, 16.2385



Tritanopia

29.7854, 33.8807, 46.5648

Trichromacy



Original Color

23.6854, 34.1706, 15.4724

Protanomaly

27.6211, 33.4783, 14.2387

Deuteranomaly

29.2385, 32.9796, 15.8910

Tritanomaly

27.0331, 33.8503, 32.3031

Monochromacy



Original Color

23.6854, 34.1706, 15.4724

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

25.4859, 30.3516, 24.2539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6854, 34.1706, 15.4724 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(113, 173, 92)` looks like.

```
.text, #text, p{  
    color:rgb(113, 173, 92)  
}
```

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(113, 173, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 173, 92) }
```

Border

The CSS property to change the border of an element to XYZ 23.6854, 34.1706, 15.4724 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(113, 173, 92) }
```


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

```
.border{ border-color:rgb(113, 173, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 173, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 173, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 173, 92);  
box-shadow:4px 4px 4px 4px rgb(113, 173,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6854, 34.1706, 15.4724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 173, 92) }
```

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

```
.background{ background-color: rgb(113,  
173, 92) }
```

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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