

Converting Colors

XYZ(15.6444, 23.2974, 11.4046)

Have a look what the booklet for
XYZ(15.6444, 23.2974, 11.4046)
contains.

XYZ(15.7567, 23.4400, 11.4785)	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(15.7567, 23.4400,
11.4785)**

Conversions

Conversions Part 1

Format	Color
Hex	569351
RGB	86, 147, 81
RGB Percent	34%, 58%, 32%
CMY	0.6627, 0.4235, 0.6823
CMYK	0.41, 0.00, 0.45, 0.42
HSL	115°, 29%, 45%
HSV	115°, 45%, 58%
XYZ	15.7567, 23.4400, 11.4785
YIQ	121.2370, -15.1700, -33.4580

Conversions

Conversions Part 2

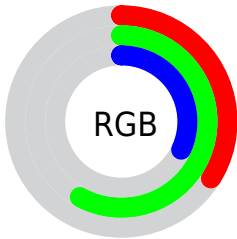
Format	Color
R_{YB}	81, 147, 142
Decimal	5673809
CIE _{Lab}	55.52, -33.62, 28.84
CIE _{LCh}	56, 44.290, 139.378
Yxy	23.4400, 0.3109, 0.4626
Android (android.graphics.Color)	4283863889 (0xFF569351)
YUV	121.2370, -19.8368, -30.9028
Hunter-Lab	48.4149, -26.6329, 19.8336

Details

The XYZ color **15.7567, 23.4400, 11.4785** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.3654, 13.7430, 29.2371**, and the grayscale version is **18.3169, 19.2708, 20.9859**.

A 20% lighter version of the original color is **35.6308, 48.9009, 29.0336**, and **5.0988, 8.8046, 2.9441** is the 20% darker color. If you saturate the color by 10%, you get **14.1299, 22.6590, 8.8299**, and if you desaturate by 10%, it is **17.7419, 24.3933, 14.7679**.

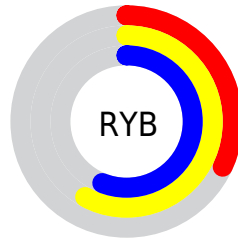
Distribution



Red (34%)

Green (58%)

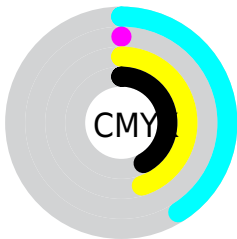
Blue (32%)



Red (32%)

Yellow (58%)

Blue (56%)

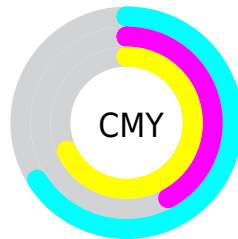


Cyan (41%)

Magenta (0%)

Yellow (45%)

Black (42%)



Cyan (66%)

Magenta (42%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7567, 23.4400, 11.4785 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 15.7567, 23.4400, 11.4785 by changing the saturation by 10% instead.

■ 15.7567, 23.4400,
11.4785

■ 15.7567, 23.4400,
11.4785

221.2005,
269.9769, 211.7755

■ 9.4419, 14.9187,
6.2715

■ 35.7362, 49.1148,
29.1917

■ 5.0899, 8.7624,
2.9394

■ 50.1316, 67.0371,
42.5350

■ 2.3354, 4.5865,
1.0638

■ 67.9512, 88.8619,
59.4274

■ 0.8127, 2.0068,
0.0000

■ 89.5604, 114.9736,
80.2874

■ 0.0000, 0.6114,
0.0000

■ 115.3246,
145.7566, 105.5338

■ 0.0000, 0.0000,
0.0000

145.6091,

181.5952, 135.5848

180.7793,
222.8738, 170.8592

■ 15.7567, 23.4400,
11.4785

■ 15.7567, 23.4400,
11.4785

■ 14.1299, 22.6590,
8.8299

■ 17.7419, 24.3933,
14.7679

■ 12.8385, 22.0373,
6.7789

■ 20.1032, 25.5253,
18.7343

■ 11.8593, 21.5647,
5.2795


■ 22.8594, 26.8455,
23.4134

■ 11.1659, 21.2287,
4.2783


■ 26.0274, 28.3618,
28.8375


■ 10.7260, 21.0141,
3.7062


■ 29.6231, 30.0820,
35.0373

 10.5740, 20.9405,
3.4846

 33.6617, 32.0132,
42.0415

 38.1576, 34.1621,
49.8775

 43.1244, 36.5353,
58.5714

 48.5754, 39.1390,
68.1482

Harmonies

Analogous

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



19.2425, 23.4400, 7.3772



15.7567, 23.4400, 11.4785



14.1114, 23.4400, 20.7815

Triad

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



15.7567, 23.4400, 11.4785



20.5556, 23.4400, 63.2142



32.6201, 23.4400, 17.4420

Complementary

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



15.7567, 23.4400, 11.4785



19.3654, 13.7430, 29.2371

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.



33.1118, 23.4400, 30.9340



15.7567, 23.4400, 11.4785



25.6193, 23.4400, 61.2457

Square

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



15.7567, 23.4400, 11.4785



16.5940, 23.4400, 52.6021



30.3908, 23.4400, 47.9390



29.1335, 23.4400, 9.8225

Rectangle

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



15.7567, 23.4400, 11.4785



14.0847, 23.4400, 30.2706



30.3908, 23.4400, 47.9390



33.1590, 23.4400, 21.2983

Sweetspot

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



15.7573, 23.4410, 11.4790



41.8100, 48.4927, 43.4194



23.1177, 25.9959, 11.5842



9.2950, 10.9505, 9.4864



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.7573, 23.4410, 11.4790



25.2483, 40.5507, 15.7234



16.5613, 23.7113, 18.0318



5.7679, 6.4882, 6.1888



9.1761, 18.1583, 3.0213



0.1204, 0.2264, 0.0374

Inverse Universe

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



19.3654, 13.7430, 29.2371



32.5497, 20.8678, 51.7469



18.3358, 13.4325, 19.2378



5.9924, 5.8871, 7.2902



13.3586, 6.3592, 24.4544



0.1739, 0.0832, 0.2998

Previews

White Background



This preview shows how the XYZ color 15.7567, 23.4400, 11.4785 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 15.7567, 23.4400, 11.4785 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 15.7567, 23.4400, 11.4785

Background



This preview shows how black text looks on a background with the XYZ color 15.7567, 23.4400, 11.4785.



This preview shows how white text looks on a background with the XYZ color 15.7567, 23.4400,

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

15.7567, 23.4400, 11.4785

Protanopia

21.2328, 23.0441, 10.1663

Deuteranopia

23.4386, 22.9645, 12.0013



Tritanopia

19.8832, 23.3199, 32.3074

Trichromacy



Original Color

15.7567, 23.4400, 11.4785

Protanomaly

18.6330, 22.7265, 10.6123

Deuteranomaly

19.6411, 22.5958, 11.7137

Tritanomaly

17.9908, 23.2064, 22.9331

Monochromacy



Original Color

15.7567, 23.4400, 11.4785

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.7685, 20.1940, 16.6497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7567, 23.4400, 11.4785 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(86, 147, 81)` looks like.

```
.text, #text, p{  
    color:rgb(86, 147, 81)  
}
```

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(86, 147, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 147, 81) }
```

Border

The CSS property to change the border of an element to XYZ 15.7567, 23.4400, 11.4785 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(86, 147, 81) }
```


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

```
.border{ border-color:rgb(86, 147, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 147, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 147, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 147, 81);  
box-shadow:4px 4px 4px 4px rgb(86, 147,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7567, 23.4400, 11.4785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 147, 81) }
```

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

```
.background{ background-color: rgb(86, 147,  
81) }
```

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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