

Converting Colors

XYZ(15.7378, 20.4091, 10.2652)

Have a look what the booklet for
XYZ(15.7378, 20.4091, 10.2652)
contains.

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Color

**XYZ(15.7065, 20.3893,
10.3154)**

Conversions

Conversions Part 1

Format	Color
Hex	6A854E
RGB	106, 133, 78
RGB Percent	42%, 52%, 31%
CMY	0.5843, 0.4784, 0.6941
CMYK	0.20, 0.00, 0.41, 0.48
HSL	89°, 26%, 41%
HSV	89°, 41%, 52%
XYZ	15.7065, 20.3893, 10.3154
YIQ	118.6570, 1.5630, -22.8290

Conversions

Conversions Part 2

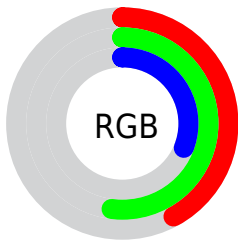
Format	Color
RYB	78, 133, 105
Decimal	6980942
CIELab	52.27, -19.91, 26.54
CIELCh	52, 33.177, 126.874
Yxy	20.3893, 0.3384, 0.4393
Android (android.graphics.Color)	4285171022 (0xFF6A854E)
YUV	118.6570, -20.0439, -11.1002
Hunter-Lab	45.1545, -16.9311, 18.0636

Details

The XYZ color **15.7065, 20.3893, 10.3154** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.7846, 10.1461, 23.4761**, and the grayscale version is **17.4876, 18.3983, 20.0357**.

A 20% lighter version of the original color is **35.5557, 43.9454, 27.0304**, and **5.0413, 7.1607, 2.4829** is the 20% darker color. If you saturate the color by 10%, you get **14.5306, 19.8333, 8.0181**, and if you desaturate by 10%, it is **17.0390, 21.0161, 13.1244**.

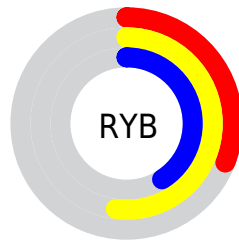
Distribution



Red (42%)

Green (52%)

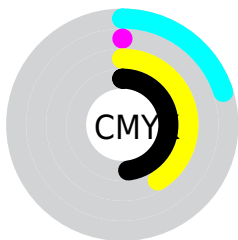
Blue (31%)



Red (31%)

Yellow (52%)

Blue (41%)

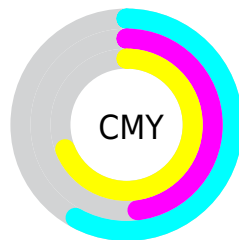


Cyan (20%)

Magenta (0%)

Yellow (41%)

Black (48%)



Cyan (58%)

Magenta (48%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7065, 20.3893, 10.3154 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 15.7065, 20.3893, 10.3154 by changing the saturation by 10% instead.

■ 15.7065, 20.3893,
10.3154

■ 15.7065, 20.3893,
10.3154

220.9082,
254.0149, 203.4745

■ 9.4062, 12.6783,
5.5002

■ 35.6495, 44.0689,
27.0041

■ 5.0663, 7.2074,
2.4798

■ 50.0229, 60.8064,
39.7147

■ 2.3214, 3.5922,
0.8294

■ 67.8181, 81.3214,
55.8943

■ 0.8056, 1.4481,
0.0000

■ 89.4005, 105.9985,
75.9613

■ 0.0000, 0.2518,
0.0000

■ 115.1353,
135.2220, 100.3342

■ 0.0000, 0.0000,
0.0000

145.3879,

169.3763, 129.4317

180.5238,
208.8458, 163.6723

■ 15.7065, 20.3893,
10.3154

■ 15.7065, 20.3893,
10.3154

■ 14.5306, 19.8333,
8.0181

■ 17.0390, 21.0161,
13.1244

■ 13.5025, 19.3426,
6.2003

■ 18.5333, 21.7139,
16.4720

■ 12.6151, 18.9145,
4.8282


■ 20.1959, 22.4861,
20.3849


■ 11.8595, 18.5456,
3.8630


■ 22.0328, 23.3353,
24.8877


■ 11.2256, 18.2315,
3.2594


■ 24.0495, 24.2638,
30.0034

 10.7513, 17.9943,
2.9066

 26.2512, 25.2738,
35.7538

 28.6430, 26.3675,
42.1597

 31.2297, 27.5469,
49.2409

 34.0159, 28.8141,
57.0163

Harmonies

Analogous

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



18.6055, 20.3893, 8.2925



15.7065, 20.3893, 10.3154



13.9551, 20.3893, 15.6139

Triad

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



15.7065, 20.3893, 10.3154



16.9174, 20.3893, 44.3244



26.6422, 20.3893, 20.0288

Complementary

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



15.7065, 20.3893, 10.3154



12.7846, 10.1461, 23.4761

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.



26.0536, 20.3893, 30.4193



15.7065, 20.3893, 10.3154



20.1745, 20.3893, 46.5380

Square

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



15.7065, 20.3893, 10.3154



14.5948, 20.3893, 35.4766



23.5845, 20.3893, 40.8568



25.1097, 20.3893, 12.7343

Rectangle

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



15.7065, 20.3893, 10.3154



13.5439, 20.3893, 21.1924



23.5845, 20.3893, 40.8568



26.6884, 20.3893, 23.2400

Sweetspot

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



15.7070, 20.3902, 10.3158



35.8785, 40.1332, 35.8161



16.0580, 15.5558, 9.3642



8.0102, 9.0078, 7.8948



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.



15.7070, 20.3902, 10.3158



26.0629, 35.5361, 14.4382



12.9808, 18.9848, 10.1883



4.8255, 5.3126, 5.0005



10.2496, 17.1438, 2.7689



0.0439, 0.0637, 0.0100

Inverse Universe

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



12.7846, 10.1461, 23.4761



20.0592, 14.4885, 41.4777



16.4876, 12.0550, 23.6493



4.6360, 4.6484, 5.8536



6.1371, 2.6980, 21.3340



0.0296, 0.0137, 0.0743

Previews

White Background



This preview shows how the XYZ color 15.7065, 20.3893, 10.3154 looks on a white background.

Color Contrast Check

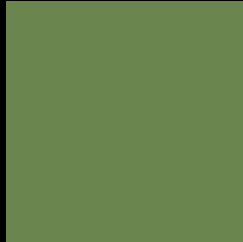
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7065, 20.3893, 10.3154 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 15.7065, 20.3893, 10.3154

Background



This preview shows how black text looks on a background with the XYZ color 15.7065, 20.3893, 10.3154.



This preview shows how white text looks on a background with the XYZ color 15.7065, 20.3893,

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

15.7065, 20.3893, 10.3154

Protanopia

18.6310, 20.1575, 9.5654

Deuteranopia

20.6597, 20.2718, 10.6085



Tritanopia

18.8442, 20.2767, 26.2131

Trichromacy



Original Color

15.7065, 20.3893, 10.3154

Protanomaly

17.3513, 20.0605, 9.7950

Deuteranomaly

18.4871, 20.0628, 10.4876

Tritanomaly

17.5003, 20.3178, 19.2190

Monochromacy



Original Color

15.7065, 20.3893, 10.3154

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.6458, 18.9922, 15.8852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7065, 20.3893, 10.3154 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(106, 133, 78)` looks like.

```
.text, #text, p{  
    color:rgb(106, 133, 78)  
}
```

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(106, 133, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 133, 78) }
```

Border

The CSS property to change the border of an element to XYZ 15.7065, 20.3893, 10.3154 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(106, 133, 78) }
```


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

```
.border{ border-color:rgb(106, 133, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 133, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 133, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 133, 78);  
box-shadow:4px 4px 4px 4px rgb(106, 133,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7065, 20.3893, 10.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 133, 78) }
```

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

```
.background{ background-color: rgb(106,  
133, 78) }
```

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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