

Converting Colors

XYZ(15.8448, 20.5527, 10.0191)

Have a look what the booklet for
XYZ(15.8448, 20.5527, 10.0191)
contains.

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Color

**XYZ(15.7554, 20.4227,
9.9490)**

Conversions

Conversions Part 1

Format	Color
Hex	6B854C
RGB	107, 133, 76
RGB Percent	42%, 52%, 30%
CMY	0.5804, 0.4784, 0.7020
CMYK	0.20, 0.00, 0.43, 0.48
HSL	87°, 27%, 41%
HSV	87°, 43%, 52%
XYZ	15.7554, 20.4227, 9.9490
YIQ	118.7280, 2.8010, -23.2390

Conversions

Conversions Part 2

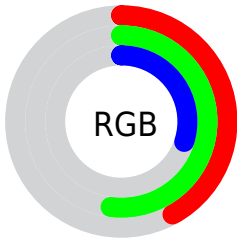
Format	Color
RYB	76, 133, 102
Decimal	7046476
CIELab	52.31, -19.78, 27.70
CIELCh	52, 34.038, 125.538
Yxy	20.4227, 0.3416, 0.4427
Android (android.graphics.Color)	4285236556 (0xFF6B854C)
YUV	118.7280, -21.0649, -10.2855
Hunter-Lab	45.1915, -16.8535, 18.5812

Details

The XYZ color **15.7554, 20.4227, 9.9490** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.2985, 9.6877, 23.4133**, and the grayscale version is **17.5129, 18.4249, 20.0647**.

A 20% lighter version of the original color is **35.6229, 43.9951, 26.3530**, and **5.0725, 7.1798, 2.3468** is the 20% darker color. If you saturate the color by 10%, you get **14.6361, 19.8943, 7.7275**, and if you desaturate by 10%, it is **17.0226, 21.0175, 12.6773**.

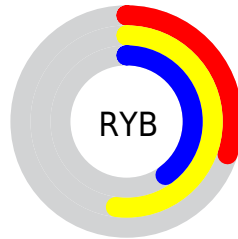
Distribution



Red (42%)

Green (52%)

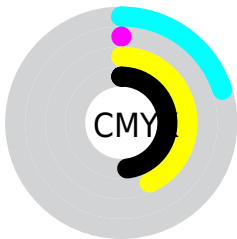
Blue (30%)



Red (30%)

Yellow (52%)

Blue (40%)

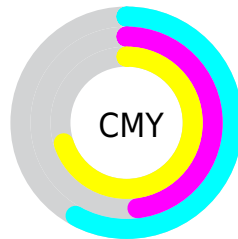


Cyan (20%)

Magenta (0%)

Yellow (43%)

Black (48%)



Cyan (58%)

Magenta (48%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7554, 20.4227, 9.9490 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 15.7554, 20.4227, 9.9490 by changing the saturation by 10% instead.

■ 15.7554, 20.4227,
9.9490

■ 15.7554, 20.4227,
9.9490

221.1929,
254.1943, 200.7793

■ 9.4410, 12.7027,
5.2600

■ 35.7339, 44.1247,
26.3058

■ 5.0893, 7.2241,
2.3392

■ 50.1288, 60.8756,
38.8108

■ 2.3351, 3.6027,
0.7531

■ 67.9478, 81.4054,
54.7581

■ 0.8125, 1.4539,
0.0000

■ 89.5563, 106.0987,
74.5663

■ 0.0000, 0.2559,
0.0000

■ 115.3197,
135.3399, 98.6540

■ 0.0000, 0.0000,
0.0000

145.6034,

169.5133, 127.4397

180.7727,
209.0033, 161.3419

■ 15.7554, 20.4227,
9.9490

■ 15.7554, 20.4227,
9.9490

■ 14.6361, 19.8943,
7.7275

■ 17.0226, 21.0175,
12.6773

■ 13.6561, 19.4268,
5.9803

■ 18.4425, 21.6788,
15.9399

■ 12.8083, 19.0178,
4.6728


■ 20.0217, 22.4099,
19.7635


■ 12.0841, 18.6638,
3.7657


■ 21.7658, 23.2132,
24.1730

■ 11.4734, 18.3606,
3.2120


■ 23.6802, 24.0910,
29.1916

 11.0850, 18.1664,
2.9222

 25.7700, 25.0455,
34.8413

 28.0399, 26.0785,
41.1430

 30.4947, 27.1922,
48.1166

 33.1388, 28.3884,
55.7812

Harmonies

Analogous

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



18.7687, 20.4227, 8.0382



15.7554, 20.4227, 9.9490



13.9058, 20.4227, 15.1709

Triad

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



15.7554, 20.4227, 9.9490



16.7550, 20.4227, 44.8064



26.9119, 20.4227, 20.4276

Complementary

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



15.7554, 20.4227, 9.9490



12.2985, 9.6877, 23.4133

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.



26.2060, 20.4227, 31.2134



15.7554, 20.4227, 9.9490



20.0681, 20.4227, 47.4748

Square

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



15.7554, 20.4227, 9.9490



14.4325, 20.4227, 35.4305



23.5927, 20.4227, 41.9031



25.4203, 20.4227, 12.8079

Rectangle

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



15.7554, 20.4227, 9.9490



13.4436, 20.4227, 20.7706



23.5927, 20.4227, 41.9031



26.9256, 20.4227, 23.7706

Sweetspot

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



15.7559, 20.4236, 9.9494



35.7229, 40.0694, 35.0691



15.6952, 14.9432, 8.8948



7.9206, 8.9684, 7.5871



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.



15.7559, 20.4236, 9.9494



26.3406, 35.6873, 14.0873



12.9047, 18.9537, 9.8160



4.8402, 5.3202, 5.0012



10.5675, 17.3077, 2.7838



0.0450, 0.0643, 0.0100

Inverse Universe

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



12.2985, 9.6877, 23.4133



19.3300, 13.9075, 41.4040



16.0479, 11.6206, 23.5887



4.6213, 4.6409, 5.8530



5.8557, 2.5529, 21.3208



0.0285, 0.0131, 0.0742

Previews

White Background



This preview shows how the XYZ color 15.7554, 20.4227, 9.9490 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 15.7554, 20.4227, 9.9490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

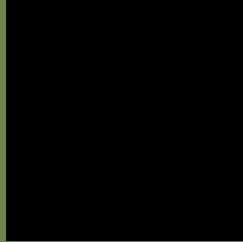
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7554, 20.4227, 9.9490

Background



This preview shows how black text looks on a background with the XYZ color 15.7554, 20.4227, 9.9490.



This preview shows how white text looks on a background with the XYZ color 15.7554, 20.4227,

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

15.7554, 20.4227, 9.9490

Protanopia

18.6896, 20.3825, 9.2525

Deuteranopia

20.5858, 20.2422, 10.2193



Tritanopia

18.9750, 20.3441, 26.2193

Trichromacy



Original Color

15.7554, 20.4227, 9.9490

Protanomaly

17.4126, 20.2927, 9.4777

Deuteranomaly

18.4143, 20.0337, 10.1041

Tritanomaly

17.5696, 20.3602, 18.9235

Monochromacy



Original Color

15.7554, 20.4227, 9.9490

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.7261, 19.0394, 15.6254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7554, 20.4227, 9.9490 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(107, 133, 76)` looks like.

```
.text, #text, p{  
    color:rgb(107, 133, 76)  
}
```

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(107, 133, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 133, 76) }
```

Border

The CSS property to change the border of an element to XYZ 15.7554, 20.4227, 9.9490 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(107, 133, 76) }
```


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

```
.border{ border-color:rgb(107, 133, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 133, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 133, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 133, 76);  
box-shadow:4px 4px 4px 4px rgb(107, 133,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7554, 20.4227, 9.9490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 133, 76) }
```

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

```
.background{ background-color: rgb(107,  
133, 76) }
```

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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