

Converting Colors

XYZ(15.8473, 20.6711, 8.9697)

Have a look what the booklet for
XYZ(15.8473, 20.6711, 8.9697)
contains.

XYZ(15.8149, 20.6805, 8.9526)	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(15.8149, 20.6805,
8.9526)**

Conversions

Conversions Part 1

Format	Color
Hex	6C8646
RGB	108, 134, 70
RGB Percent	42%, 53%, 27%
CMY	0.5765, 0.4745, 0.7255
CMYK	0.19, 0.00, 0.48, 0.47
HSL	84°, 31%, 40%
HSV	84°, 48%, 53%
XYZ	15.8149, 20.6805, 8.9526
YIQ	118.9300, 5.0480, -25.4160

Conversions

Conversions Part 2

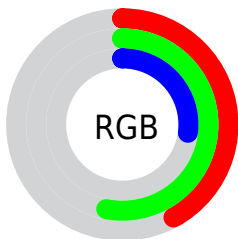
Format	Color
RYB	70, 134, 96
Decimal	7112262
CIELab	52.60, -20.67, 31.30
CIELCh	53, 37.514, 123.440
Yxy	20.6805, 0.3480, 0.4550
Android (android.graphics.Color)	4285302342 (0xFF6C8646)
YUV	118.9300, -24.1225, -9.5856
Hunter-Lab	45.4758, -17.5066, 20.1609

Details

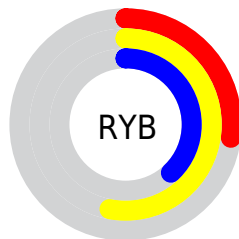
The XYZ color **15.8149, 20.6805, 8.9526** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.3180, 8.5890, 23.6167**, and the grayscale version is **17.5856, 18.5015, 20.1481**.

A 20% lighter version of the original color is **35.8584, 44.4738, 24.4637**, and **5.0699, 7.3020, 1.9528** is the 20% darker color. If you saturate the color by 10%, you get **14.7968, 20.1998, 6.9381**, and if you desaturate by 10%, it is **16.9698, 21.2221, 11.4672**.

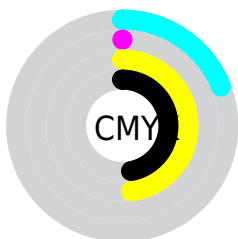
Distribution



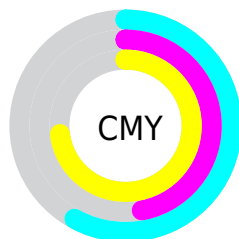
- Red (42%)
- Green (53%)
- Blue (27%)



- Red (27%)
- Yellow (53%)
- Blue (38%)



- Cyan (19%)
- Magenta (0%)
- Yellow (48%)
- Black (47%)



- Cyan (58%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8149, 20.6805, 8.9526 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 15.8149, 20.6805, 8.9526 by changing the saturation by 10% instead.

■ 15.8149, 20.6805,
8.9526

■ 15.8149, 20.6805,
8.9526

221.5389,
255.5756, 193.2289

■ 9.4833, 12.8907,
4.6139

■ 35.8366, 44.5552,
24.3821

■ 5.1173, 7.3533,
1.9678

■ 50.2574, 61.4088,
36.3100

■ 2.3517, 3.6840,
0.5354

■ 68.1053, 82.0525,
51.6047

■ 0.8209, 1.4984,
0.0000

■ 89.7457, 106.8707,
70.6847

■ 0.0000, 0.2876,
0.0000

■ 115.5439,
136.2476, 93.9686

■ 0.0000, 0.0000,
0.0000

145.8653,

170.5679, 121.8749

181.0751,
210.2157, 154.8222

■ 15.8149, 20.6805,
8.9526

■ 15.8149, 20.6805,
8.9526

■ 14.7968, 20.1998,
6.9381

■ 16.9698, 21.2221,
11.4672

■ 13.9069, 19.7744,
5.3888

■ 18.2665, 21.8245,
14.5109

■ 13.1377, 19.4019,
4.2675


■ 19.7115, 22.4912,
18.1122


■ 12.4803, 19.0787,
3.5308


■ 21.3104, 23.2245,
22.2971


■ 11.9163, 18.7971,
3.0863


■ 23.0686, 24.0266,
27.0900

 11.7966, 18.7374,
2.9949

 24.9910, 24.8996,
32.5139

 27.0825, 25.8455,
38.5906

 29.3476, 26.8661,
45.3408

 31.7907, 27.9634,
52.7844

Harmonies

Analogous

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



19.2107, 20.6805, 7.1865



15.8149, 20.6805, 8.9526



13.6949, 20.6805, 14.2314

Triad

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



15.8149, 20.6805, 8.9526



16.4971, 20.6805, 47.6348



28.1101, 20.6805, 21.2562

Complementary

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



15.8149, 20.6805, 8.9526



11.3180, 8.5890, 23.6167

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.



27.1364, 20.6805, 33.5213



15.8149, 20.6805, 8.9526



20.1085, 20.6805, 51.3922

Square

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



15.8149, 20.6805, 8.9526



14.0507, 20.6805, 36.5091



24.0740, 20.6805, 45.5474



26.5836, 20.6805, 12.6537

Rectangle

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



15.8149, 20.6805, 8.9526



13.1210, 20.6805, 20.1573



24.0740, 20.6805, 45.5474



28.0650, 20.6805, 25.0552

Sweetspot

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



15.8154, 20.6814, 8.9530



35.6695, 40.0580, 34.3377



15.0843, 13.8042, 7.6641



7.9211, 8.9719, 7.4385



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.



15.8154, 20.6814, 8.9530



25.9867, 35.5491, 12.0703



12.6436, 19.0463, 8.8046



4.8615, 5.3312, 5.0022



11.0669, 17.5652, 2.8071



0.0466, 0.0651, 0.0101

Inverse Universe

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



11.3180, 8.5890, 23.6167



17.1014, 11.6314, 41.0821



15.3361, 10.6604, 23.8047



4.6004, 4.6301, 5.8520



5.4923, 2.3656, 21.3038



0.0269, 0.0123, 0.0742

Previews

White Background



This preview shows how the XYZ color 15.8149, 20.6805, 8.9526 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 15.8149, 20.6805, 8.9526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

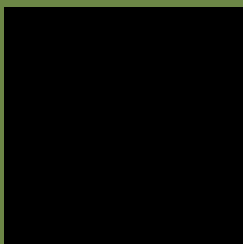
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8149, 20.6805, 8.9526

Background



This preview shows how black text looks on a background with the XYZ color 15.8149, 20.6805, 8.9526.



This preview shows how white text looks on a background with the XYZ color 15.8149, 20.6805,

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

15.8149, 20.6805, 8.9526

Protanopia

18.8280, 20.4758, 8.2701

Deuteranopia

20.7818, 20.3635, 9.3138



Tritanopia

19.4408, 20.7668, 26.6507

Trichromacy



Original Color

15.8149, 20.6805, 8.9526

Protanomaly

17.5150, 20.3677, 8.4771

Deuteranomaly

18.5636, 20.1306, 9.2105

Tritanomaly

17.9027, 20.7349, 18.6815

Monochromacy



Original Color

15.8149, 20.6805, 8.9526

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.6268, 18.9997, 15.1029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8149, 20.6805, 8.9526 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(108, 134, 70)` looks like.

```
.text, #text, p{  
    color:rgb(108, 134, 70)  
}
```

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(108, 134, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 134, 70) }
```

Border

The CSS property to change the border of an element to XYZ 15.8149, 20.6805, 8.9526 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(108, 134, 70) }
```


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

```
.border{ border-color:rgb(108, 134, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 134, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 134, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 134, 70);  
box-shadow:4px 4px 4px 4px rgb(108, 134,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8149, 20.6805, 8.9526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 134, 70) }
```

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

```
.background{ background-color: rgb(108,  
134, 70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor