

Converting Colors

XYZ(15.7950, 25.9139, 9.9645)

Have a look what the booklet for
XYZ(15.7950, 25.9139, 9.9645)
contains.

XYZ(15.7610, 25.8957, 9.9620)	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(15.7610, 25.8957,
9.9620)**

Conversions

Conversions Part 1

Format	Color
Hex	479D46
RGB	71, 157, 70
RGB Percent	28%, 62%, 27%
CMY	0.7216, 0.3843, 0.7255
CMYK	0.55, 0.00, 0.55, 0.38
HSL	119°, 38%, 45%
HSV	119°, 55%, 62%
XYZ	15.7610, 25.8957, 9.9620
YIQ	121.3680, -23.3290, -45.2890

Conversions

Conversions Part 2

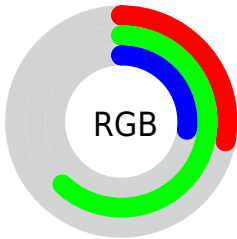
Format	Color
RYB	70, 157, 156
Decimal	4693318
CIELab	57.94, -44.00, 37.36
CIELCh	58, 57.722, 139.668
Yxy	25.8957, 0.3053, 0.5017
Android (android.graphics.Color)	4282883398 (0xFF479D46)
YUV	121.3680, -25.3244, -44.1727
Hunter-Lab	50.8878, -33.7686, 24.0146

Details

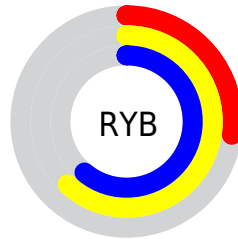
The XYZ color **15.7610, 25.8957, 9.9620** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **21.9875, 13.8834, 33.4205**, and the grayscale version is **18.3786, 19.3357, 21.0566**.

A 20% lighter version of the original color is **35.7471, 52.9795, 26.4312**, and **5.1778, 10.1537, 2.3488** is the 20% darker color. If you saturate the color by 10%, you get **14.3325, 25.2100, 7.6379**, and if you desaturate by 10%, it is **17.6111, 26.7853, 12.9833**.

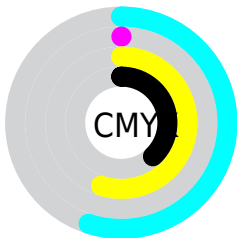
Distribution



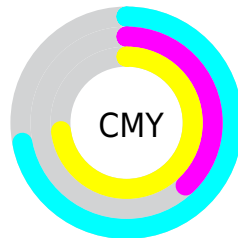
- Red (28%)
- Green (62%)
- Blue (27%)



- Red (27%)
- Yellow (62%)
- Blue (61%)



- Cyan (55%)
- Magenta (0%)
- Yellow (55%)
- Black (38%)





- Cyan (72%)
- Magenta (38%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7610, 25.8957, 9.9620 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 15.7610, 25.8957, 9.9620 by changing the saturation by 10% instead.


 15.7610, 25.8957,
9.9620


 15.7610, 25.8957,
9.9620


221.2255,
282.2697, 200.8756


 9.4450, 16.7456,
5.2685


 35.7436, 53.1066,
26.3307


 5.0920, 10.0533,
2.3442


 50.1409, 71.9363,
38.8430

 2.3366, 5.4343,
0.7558

 67.9626, 94.7613,
54.7986

 0.8133, 2.5043,
0.0000

 89.5741, 121.9660,
74.6161

 0.0000, 0.8788,
0.0000

 115.3408,
153.9347, 98.7140

 0.0000, 0.0000,
0.0000

145.6281,

191.0520, 127.5108

180.8012,
233.7022, 161.4252

■ 15.7610, 25.8957,
9.9620

■ 15.7610, 25.8957,
9.9620

■ 14.3325, 25.2100,
7.6379

■ 17.6111, 26.7853,
12.9833

■ 13.2907, 24.7091,
5.9539

■ 19.9104, 27.8896,
16.7495

■ 12.5984, 24.3760,
4.8465

■ 22.6862, 29.2226,
21.3063

■ 12.2086, 24.1883,
4.2321

■ 25.9632, 30.7961,
26.6950

■ 12.0800, 24.1266,
4.0202

■ 29.7645, 32.6212,
32.9542

■ 34.1116, 34.7081,
40.1201

■ 39.0249, 37.0666,
48.2267

■ 44.5237, 39.7061,
57.3063

■ 50.6264, 42.6353,
67.3897

Harmonies

Analogous

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



20.3806, 25.8957, 5.3219



15.7610, 25.8957, 9.9620



13.6613, 25.8957, 21.8697

Triad

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



15.7610, 25.8957, 9.9620



22.2917, 25.8957, 85.1533



39.4764, 25.8957, 17.1696

Complementary

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



15.7610, 25.8957, 9.9620



21.9875, 13.8834, 33.4205

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.



40.2535, 25.8957, 35.6380



15.7610, 25.8957, 9.9620



29.3943, 25.8957, 81.8261

Square

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



15.7610, 25.8957, 9.9620



16.9325, 25.8957, 68.6312



36.2804, 25.8957, 60.9590



34.3229, 25.8957, 7.9172

Rectangle

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



15.7610, 25.8957, 9.9620



13.6432, 25.8957, 35.1301



36.2804, 25.8957, 60.9590



40.2908, 25.8957, 22.2402

Sweetspot

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



15.7616, 25.8968, 9.9626



45.3011, 54.5770, 45.8406



26.8243, 31.2378, 10.4104



9.7245, 11.8923, 9.6860



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.7616, 25.8968, 9.9626



25.2699, 44.9559, 13.0345



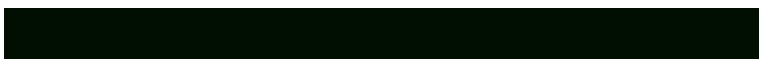
17.5110, 26.5881, 19.5537



6.5574, 7.4045, 7.0693



9.8130, 19.5955, 3.2651



0.1773, 0.3513, 0.0585

Inverse Universe

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



21.9875, 13.8834, 33.4205



37.5297, 21.2803, 59.2562



19.1873, 12.7857, 17.6620



6.8966, 6.7507, 8.3462



15.9546, 7.6539, 26.5437



0.2874, 0.1380, 0.4747

Previews

White Background



This preview shows how the XYZ color 15.7610, 25.8957, 9.9620 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 15.7610, 25.8957, 9.9620 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 15.7610, 25.8957, 9.9620

Background



This preview shows how black text looks on a background with the XYZ color 15.7610, 25.8957, 9.9620.



This preview shows how white text looks on a background with the XYZ color 15.7610, 25.8957,

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

15.7610, 25.8957, 9.9620

Protanopia

23.2949, 25.6077, 8.5655

Deuteranopia

25.9530, 25.4734, 10.5702



Tritanopia

21.1623, 25.9072, 36.6861

Trichromacy



Original Color

15.7610, 25.8957, 9.9620

Protanomaly

19.4306, 25.1621, 8.9869

Deuteranomaly

20.4338, 24.5307, 10.1365

Tritanomaly

18.5535, 25.5503, 24.0325

Monochromacy



Original Color

15.7610, 25.8957, 9.9620

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.5169, 20.8931, 15.7326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7610, 25.8957, 9.9620 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(71, 157, 70)` looks like.

```
.text, #text, p{  
    color:rgb(71, 157, 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(71, 157, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 157, 70) }
```

Border

The CSS property to change the border of an element to XYZ 15.7610, 25.8957, 9.9620 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(71, 157, 70) }
```


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

```
.border{ border-color:rgb(71, 157, 70) }
```

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

Here you see how a box with a 4 pixel rgb(71, 157, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 157, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 157, 70);  
box-shadow:4px 4px 4px 4px rgb(71, 157,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7610, 25.8957, 9.9620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 157, 70) }
```

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

```
.background{ background-color: rgb(71, 157,  
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