

Converting Colors

XYZ(16.0020, 22.5095, 9.4739)

Have a look what the booklet for
XYZ(16.0020, 22.5095, 9.4739)
contains.

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Color

**XYZ(15.9559, 22.4536,
9.4542)**

Conversions

Conversions Part 1

Format	Color
Hex	638E47
RGB	99, 142, 71
RGB Percent	39%, 56%, 28%
CMY	0.6118, 0.4431, 0.7216
CMYK	0.30, 0.00, 0.50, 0.44
HSL	96°, 33%, 42%
HSV	96°, 50%, 56%
XYZ	15.9559, 22.4536, 9.4542
YIQ	121.0490, -2.8370, -31.1970

Conversions

Conversions Part 2

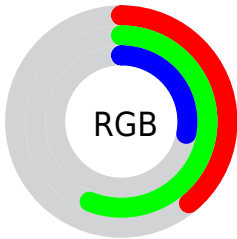
Format	Color
RYB	71, 142, 114
Decimal	6524487
CIELab	54.51, -28.08, 33.00
CIElCh	55, 43.327, 130.394
Yxy	22.4536, 0.3334, 0.4691
Android (android.graphics.Color)	4284714567 (0xFF638E47)
YUV	121.0490, -24.6742, -19.3370
Hunter-Lab	47.3852, -22.8183, 21.3402

Details

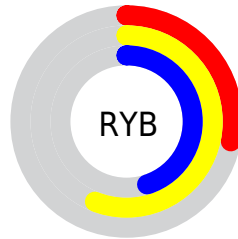
The XYZ color **15.9559, 22.4536, 9.4542** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.0762, 10.0375, 26.7880**, and the grayscale version is **18.2682, 19.2196, 20.9301**.

A 20% lighter version of the original color is **36.1400, 47.5357, 25.3597**, and **5.1624, 8.1970, 2.1207** is the 20% darker color. If you saturate the color by 10%, you get **14.6624, 21.8341, 7.2866**, and if you desaturate by 10%, it is **17.4571, 23.1692, 12.1885**.

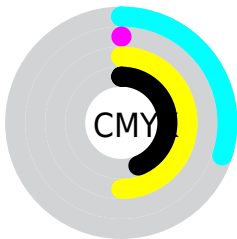
Distribution



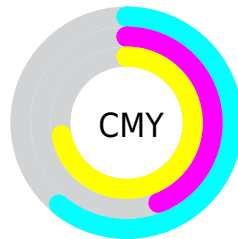
- Red (39%)
- Green (56%)
- Blue (28%)



- Red (28%)
- Yellow (56%)
- Blue (45%)



- Cyan (30%)
- Magenta (0%)
- Yellow (50%)
- Black (44%)



- Cyan (61%)
- Magenta (44%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9559, 22.4536, 9.4542 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 15.9559, 22.4536, 9.4542 by changing the saturation by 10% instead.

■ 15.9559, 22.4536,
9.4542

■ 15.9559, 22.4536,
9.4542

222.3569,
264.9060, 197.0721

■ 9.5836, 14.1906,
4.9378

■ 36.0797, 47.4946,
25.3553

■ 5.1839, 8.2533,
2.1527

■ 50.5619, 65.0413,
37.5770

■ 2.3914, 4.2575,
0.6469

■ 68.4781, 86.4514,
53.2043

■ 0.8408, 1.8186,
0.0000

■ 90.1937, 112.1092,
72.6556

■ 0.0000, 0.4987,
0.0000

■ 116.0740,
142.3992, 96.3495

■ 0.0000, 0.0000,
0.0000

146.4844,

177.7057, 124.7045

181.7902,
218.4132, 158.1392

■ 15.9559, 22.4536,
9.4542

■ 15.9559, 22.4536,
9.4542

■ 14.6624, 21.8341,
7.2866

■ 17.4571, 23.1692,
12.1885

■ 13.5644, 21.3033,
5.6443

■ 19.1741, 23.9824,
15.5239

■ 12.6506, 20.8570,
4.4830


■ 21.1167, 24.8979,
19.4941


■ 11.9075, 20.4893,
3.7499


■ 23.2934, 25.9197,
24.1295


■ 11.3042, 20.1876,
3.3008


■ 25.7121, 27.0511,
29.4587

 11.3042, 20.1876,
3.3008

 28.3806, 28.2957,
35.5088

 31.3062, 29.6564,
42.3051

 34.4957, 31.1365,
49.8721

 37.9561, 32.7389,
58.2327

Harmonies

Analogous

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



19.7366, 22.4536, 6.6964



15.9559, 22.4536, 9.4542



13.8460, 22.4536, 16.6838

Triad

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



15.9559, 22.4536, 9.4542



18.4229, 22.4536, 58.2677



31.6373, 22.4536, 20.0284

Complementary

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



15.9559, 22.4536, 9.4542



14.0762, 10.0375, 26.7880

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.



31.1466, 22.4536, 34.3106



15.9559, 22.4536, 9.4542



23.0311, 22.4536, 60.2279

Square

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



15.9559, 22.4536, 9.4542



15.1172, 22.4536, 45.6032



27.8201, 22.4536, 50.2509



29.0754, 22.4536, 11.1190

Rectangle

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



15.9559, 22.4536, 9.4542



13.4533, 22.4536, 24.6286



27.8201, 22.4536, 50.2509



31.8322, 22.4536, 24.2686

Sweetspot

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



15.9564, 22.4546, 9.4547



38.9828, 44.7241, 38.0571



18.2659, 18.1512, 8.5023



8.5509, 9.9160, 8.1695



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.9564, 22.4546, 9.4547



25.5947, 38.3755, 12.4383



13.6509, 21.2382, 10.6068



5.5315, 6.1266, 5.7804



10.1686, 18.1347, 2.9644



0.1208, 0.1855, 0.0294

Inverse Universe

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



14.0762, 10.0375, 26.7880



21.8637, 13.8564, 46.6501



17.7756, 12.0043, 24.2661



5.4232, 5.4063, 6.7865



7.8509, 3.5409, 23.2468



0.0999, 0.0467, 0.2234

Previews

White Background



This preview shows how the XYZ color 15.9559, 22.4536, 9.4542 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 15.9559, 22.4536, 9.4542 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 15.9559, 22.4536, 9.4542

Background



This preview shows how black text looks on a background with the XYZ color 15.9559, 22.4536, 9.4542.



This preview shows how white text looks on a background with the XYZ color 15.9559, 22.4536,

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

15.9559, 22.4536, 9.4542

Protanopia

20.3234, 22.2102, 8.5260

Deuteranopia

22.6127, 22.2062, 9.9319



Tritanopia

20.0663, 22.4095, 30.0559

Trichromacy



Original Color

15.9559, 22.4536, 9.4542

Protanomaly

18.3209, 21.9796, 8.7457

Deuteranomaly

19.6689, 22.0454, 9.6971

Tritanomaly

18.1595, 22.2635, 20.4797

Monochromacy



Original Color

15.9559, 22.4536, 9.4542

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.1085, 20.1905, 15.8274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9559, 22.4536, 9.4542 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(99, 142, 71)` looks like.

```
.text, #text, p{  
    color:rgb(99, 142, 71)  
}
```

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(99, 142, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 142, 71) }
```

Border

The CSS property to change the border of an element to XYZ 15.9559, 22.4536, 9.4542 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(99, 142, 71) }
```


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

```
.border{ border-color:rgb(99, 142, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 142, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 142, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 142, 71);  
box-shadow:4px 4px 4px 4px rgb(99, 142,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9559, 22.4536, 9.4542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 142, 71) }
```

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

```
.background{ background-color: rgb(99, 142,  
71) }
```

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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