

Converting Colors

XYZ(11.9626, 16.3536, 10.4731)

Have a look what the booklet for
XYZ(11.9626, 16.3536, 10.4731)
contains.

XYZ(11.9622, 16.3221, 10.5026)	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(11.9622, 16.3221,
10.5026)**

Conversions

Conversions Part 1

Format	Color
Hex	527A52
RGB	82, 122, 82
RGB Percent	32%, 48%, 32%
CMY	0.6784, 0.5216, 0.6784
CMYK	0.33, 0.00, 0.33, 0.52
HSL	120°, 20%, 40%
HSV	120°, 33%, 48%
XYZ	11.9622, 16.3221, 10.5026
YIQ	105.4800, -11.0000, -20.9200

Conversions

Conversions Part 2

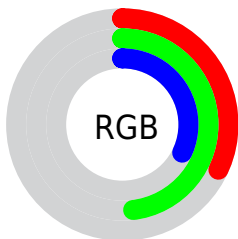
Format	Color
R_{YB}	82, 122, 122
Decimal	5405266
CIE _{Lab}	47.39, -22.68, 17.58
CIE _{LCh}	47, 28.696, 142.225
Yxy	16.3221, 0.3084, 0.4208
Android (android.graphics.Color)	4283595346 (0xFF527A52)
YUV	105.4800, -11.5756, -20.5920
Hunter-Lab	40.4006, -17.8491, 12.8673

Details

The XYZ color **11.9622, 16.3221, 10.5026** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **14.5568, 11.5777, 19.8806**, and the grayscale version is **13.5906, 14.2984, 15.5709**.

A 20% lighter version of the original color is **29.1677, 37.3124, 27.4945**, and **3.3762, 5.2387, 2.5835** is the 20% darker color. If you saturate the color by 10%, you get **10.5705, 15.6541, 8.2259**, and if you desaturate by 10%, it is **13.6260, 17.1218, 13.2237**.

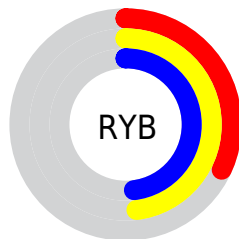
Distribution



Red (32%)

Green (48%)

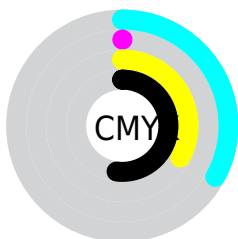
Blue (32%)



Red (32%)

Yellow (48%)

Blue (48%)

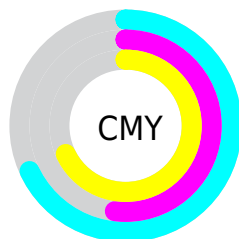


Cyan (33%)

Magenta (0%)

Yellow (33%)

Black (52%)



Cyan (68%)

Magenta (52%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9622, 16.3221, 10.5026 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 11.9622, 16.3221, 10.5026 by changing the saturation by 10% instead.

■ 11.9622, 16.3221,
10.5026

■ 11.9622, 16.3221,
10.5026

197.9299,
231.2349, 204.8360

■ 6.7900, 9.7524,
5.6235

■ 29.0437, 37.1565,
27.3591

■ 3.3762, 5.2351,
2.5525

■ 41.6837, 52.1899,
40.1736

■ 1.3557, 2.3858,
0.8678

■ 57.5436, 70.8134,
56.4703

■ 0.2243, 0.8186,
0.0000

■ 76.9888, 93.4113,
76.6678

■ 0.0000, 0.0000,
0.0000

■ 100.3847,
120.3680, 101.1845

128.0966,

152.0679, 130.4391

160.4899,
188.8954, 164.8501

■ 11.9622, 16.3221,
10.5026

■ 11.9622, 16.3221,
10.5026

■ 10.5705, 15.6541,
8.2259

■ 13.6260, 17.1218,
13.2237

■ 9.4352, 15.1087,
6.3689

■ 15.5740, 18.0575,
16.4100

■ 8.5411, 14.6793,
4.9065


■ 17.8189, 19.1359,
20.0820


■ 7.8708, 14.3573,
3.8100


■ 20.3726, 20.3625,
24.2589


■ 7.4045, 14.1333,
3.0472


■ 23.2460, 21.7428,
28.9589


 7.1182, 13.9958,
2.5790

 26.4497, 23.2817,
34.1992

 6.9599, 13.9197,
2.3200

 29.9937, 24.9840,
39.9961

 33.8877, 26.8545,
46.3653

 38.1408, 28.8975,
53.3221

Harmonies

Analogous

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



13.7374, 16.3221, 7.7083



11.9622, 16.3221, 10.5026



11.1574, 16.3221, 15.9448

Triad

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



11.9622, 16.3221, 10.5026



14.8618, 16.3221, 35.5616



20.4922, 16.3221, 12.9858

Complementary

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



11.9622, 16.3221, 10.5026



14.5568, 11.5777, 19.8806

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.



20.8777, 16.3221, 19.7337



11.9622, 16.3221, 10.5026



17.4368, 16.3221, 34.1341

Square

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



11.9622, 16.3221, 10.5026



12.7082, 16.3221, 31.2910



19.7065, 16.3221, 27.7993



18.7043, 16.3221, 8.8451

Rectangle

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



11.9622, 16.3221, 10.5026



11.2104, 16.3221, 20.9039



19.7065, 16.3221, 27.7993



20.7975, 16.3221, 14.9696

Sweetspot

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



11.9626, 16.3228, 10.5030



28.3534, 32.2260, 30.4314



16.5093, 18.6667, 10.7157



6.3858, 7.3218, 6.7991



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.9626, 16.3228, 10.5030



19.2460, 27.8513, 15.5347



12.8379, 16.6729, 15.1124



3.9509, 4.4500, 4.2752



7.3273, 14.6546, 2.4425



34.9519, 69.9038, 11.6507

Inverse Universe

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



14.5568, 11.5777, 19.8806



24.5236, 18.1977, 34.6127



13.4421, 11.1318, 14.0110



4.1545, 4.0775, 5.0112



12.1486, 5.8356, 19.8711



57.9499, 27.8363, 94.7870

Previews

White Background



This preview shows how the XYZ color 11.9622, 16.3221, 10.5026 looks on a white 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

Black Background



This preview shows how the XYZ color 11.9622, 16.3221, 10.5026 looks on a black 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

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

XYZ 11.9622, 16.3221, 10.5026

Background



This preview shows how black text looks on a background with the XYZ color 11.9622, 16.3221, 10.5026.



This preview shows how white text looks on a background with the XYZ color 11.9622, 16.3221,

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

11.9622, 16.3221, 10.5026

Protanopia

15.0545, 16.2033, 9.5418

Deuteranopia

16.4131, 16.0768, 10.8324



Tritanopia

14.3436, 16.4026, 22.1487

Trichromacy



Original Color

11.9622, 16.3221, 10.5026

Protanomaly

13.7201, 16.1811, 9.7973

Deuteranomaly

14.3338, 15.8058, 10.6829

Tritanomaly

13.3418, 16.3457, 17.2037

Monochromacy



Original Color

11.9622, 16.3221, 10.5026

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7719, 14.7733, 13.4876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9622, 16.3221, 10.5026 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(82, 122, 82)` looks like.

```
.text, #text, p{  
    color:rgb(82, 122, 82)  
}
```

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(82, 122, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 122, 82) }
```

Border

The CSS property to change the border of an element to XYZ 11.9622, 16.3221, 10.5026 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(82, 122, 82) }
```


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

```
.border{ border-color:rgb(82, 122, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 122, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 122, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 122, 82);  
box-shadow:4px 4px 4px 4px rgb(82, 122,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9622, 16.3221, 10.5026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 122, 82) }
```

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

```
.background{ background-color: rgb(82, 122,  
82) }
```

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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