

Converting Colors

XYZ(16.7916, 20.9699, 9.4696)

Have a look what the booklet for
XYZ(16.7916, 20.9699, 9.4696)
contains.

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Color

**XYZ(16.7926, 20.9691,
9.4657)**

Conversions

Conversions Part 1

Format	Color
Hex	748549
RGB	116, 133, 73
RGB Percent	45%, 52%, 29%
CMY	0.5451, 0.4784, 0.7137
CMYK	0.13, 0.00, 0.45, 0.48
HSL	77°, 29%, 40%
HSV	77°, 45%, 52%
XYZ	16.7926, 20.9691, 9.4657
YIQ	121.0770, 9.1280, -22.2640

Conversions

Conversions Part 2

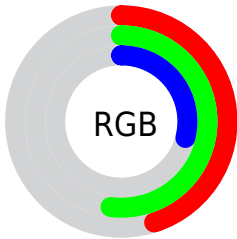
Format	Color
R_{YB}	73, 133, 90
Decimal	7636297
CIE _{Lab}	52.92, -16.49, 30.22
CIE _{LCh}	53, 34.426, 118.615
Yxy	20.9691, 0.3556, 0.4440
Android (android.graphics.Color)	4285826377 (0xFF748549)
YUV	121.0770, -23.7020, -4.4525
Hunter-Lab	45.7920, -14.6775, 19.7985

Details

The XYZ color **16.7926, 20.9691, 9.4657** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.8334, 8.6327, 23.2868**, and the grayscale version is **18.2715, 19.2230, 20.9339**.

A 20% lighter version of the original color is **37.4962, 44.9829, 25.4452**, and **5.5265, 7.4193, 2.1181** is the 20% darker color. If you saturate the color by 10%, you get **15.9073, 20.5590, 7.3636**, and if you desaturate by 10%, it is **17.7936, 21.4293, 12.0665**.

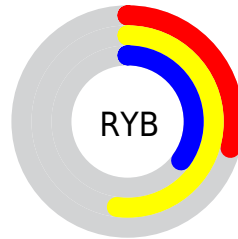
Distribution



Red (45%)

Green (52%)

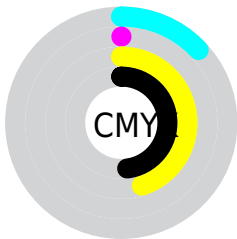
Blue (29%)



Red (29%)

Yellow (52%)

Blue (35%)

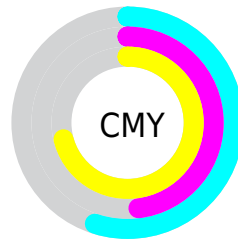


Cyan (13%)

Magenta (0%)

Yellow (45%)

Black (48%)



Cyan (55%)

Magenta (48%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7926, 20.9691, 9.4657 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 16.7926, 20.9691, 9.4657 by changing the saturation by 10% instead.

■ 16.7926, 20.9691,
9.4657

■ 16.7926, 20.9691,
9.4657

227.1540,
257.1142, 197.1592

■ 10.1811, 13.1014,
4.9452

■ 37.5153, 45.0361,
25.3775

■ 5.5824, 7.4984,
2.1570

■ 52.3572, 62.0042,
37.6059

■ 2.6311, 3.7757,
0.6494

■ 70.6733, 82.7746,
53.2406

■ 0.9618, 1.5489,
0.0000

■ 92.8289, 107.7316,
72.7003

■ 0.0000, 0.3228,
0.0000

■ 119.1894,
137.2597, 96.4035

■ 0.0000, 0.0000,
0.0000

150.1202,

171.7432, 124.7687

185.9866,
211.5666, 158.2144

■ 16.7926, 20.9691,
9.4657

■ 16.7926, 20.9691,
9.4657

■ 15.9073, 20.5590,
7.3636

■ 17.7936, 21.4293,
12.0665

■ 15.1298, 20.1936,
5.7267

■ 18.9146, 21.9391,
15.1937

■ 14.4536, 19.8710,
4.5200


■ 20.1614, 22.5017,
18.8747


■ 13.8708, 19.5881,
3.7023


■ 21.5389, 23.1189,
23.1346


■ 13.3699, 19.3401,
3.2150


■ 23.0518, 23.7929,
27.9969

 13.1399, 19.2257,
3.0184

 24.7047, 24.5252,
33.4838

 26.5017, 25.3177,
39.6164

 28.4468, 26.1720,
46.4149

 30.5439, 27.0896,
53.8985

Harmonies

Analogous

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



20.0984, 20.9691, 8.1838



16.7926, 20.9691, 9.4657



14.5809, 20.9691, 13.9776

Triad

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



16.7926, 20.9691, 9.4657



16.5352, 20.9691, 44.3096



27.6916, 20.9691, 23.3148

Complementary

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



16.7926, 20.9691, 9.4657



10.8334, 8.6327, 23.2868

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.



26.4507, 20.9691, 34.8049



16.7926, 20.9691, 9.4657



19.7635, 20.9691, 48.9729

Square

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



16.7926, 20.9691, 9.4657



14.4453, 20.9691, 33.7161



23.4368, 20.9691, 45.0600



26.6535, 20.9691, 14.5851

Rectangle

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



16.7926, 20.9691, 9.4657



13.8799, 20.9691, 19.1341



23.4368, 20.9691, 45.0600



27.5246, 20.9691, 26.9776

Sweetspot

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



16.7931, 20.9700, 9.4661



36.2904, 40.3781, 34.3667



14.5324, 12.7806, 8.0046



8.0777, 9.0527, 7.4458



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.



16.7931, 20.9700, 9.4661



28.4682, 36.8071, 13.1478



13.4286, 19.2355, 9.3087



4.9146, 5.3585, 5.0046



12.5234, 18.3160, 2.8753



0.0506, 0.0671, 0.0103

Inverse Universe

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



10.8334, 8.6327, 23.2868



16.4124, 11.8179, 41.1545



14.3627, 10.4521, 23.4520



4.5493, 4.6038, 5.8496



4.7903, 2.0037, 21.2710



0.0230, 0.0103, 0.0740

Previews

White Background



This preview shows how the XYZ color 16.7926, 20.9691, 9.4657 looks on a white background.

Color Contrast Check

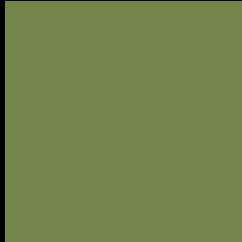
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7926, 20.9691, 9.4657 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 16.7926, 20.9691, 9.4657

Background



This preview shows how black text looks on a background with the XYZ color 16.7926, 20.9691, 9.4657.



This preview shows how white text looks on a background with the XYZ color 16.7926, 20.9691,

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

16.7926, 20.9691, 9.4657

Protanopia

19.2456, 20.8656, 8.9743

Deuteranopia

21.1578, 20.7270, 9.7231



Tritanopia

20.2170, 20.9844, 26.2774

Trichromacy



Original Color

16.7926, 20.9691, 9.4657

Protanomaly

18.3800, 20.9937, 9.2143

Deuteranomaly

19.4188, 20.7507, 9.6384

Tritanomaly

18.7161, 20.9577, 18.6816

Monochromacy



Original Color

16.7926, 20.9691, 9.4657

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.4401, 19.5886, 15.9585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7926, 20.9691, 9.4657 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(116, 133, 73)` looks like.

```
.text, #text, p{  
    color:rgb(116, 133, 73)  
}
```

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(116, 133, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 133, 73) }
```

Border

The CSS property to change the border of an element to XYZ 16.7926, 20.9691, 9.4657 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(116, 133, 73) }
```


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

```
.border{ border-color:rgb(116, 133, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 133, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 133, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 133, 73);  
box-shadow:4px 4px 4px 4px rgb(116, 133,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7926, 20.9691, 9.4657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 133, 73) }
```

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

```
.background{ background-color: rgb(116,  
133, 73) }
```

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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