

Converting Colors

XYZ(25.0888, 33.0017, 22.3499)

Have a look what the booklet for
XYZ(25.0888, 33.0017, 22.3499)
contains.

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Color

**XYZ(25.1745, 33.1069,
22.5162)**

Conversions

Conversions Part 1

Format	Color
Hex	7AA777
RGB	122, 167, 119
RGB Percent	48%, 65%, 47%
CMY	0.5216, 0.3451, 0.5333
CMYK	0.27, 0.00, 0.29, 0.35
HSL	116°, 21%, 56%
HSV	116°, 29%, 65%
XYZ	25.1745, 33.1069, 22.5162
YIQ	148.0730, -11.4120, -24.4680

Conversions

Conversions Part 2

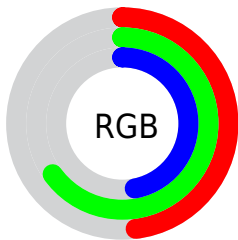
Format	Color
RYB	119, 167, 164
Decimal	8038263
CIELab	64.25, -24.79, 20.09
CIElCh	64, 31.908, 140.983
Yxy	33.1069, 0.3116, 0.4098
Android (android.graphics.Color)	4286228343 (0xFF7AA777)
YUV	148.0730, -14.3330, -22.8660
Hunter-Lab	57.5386, -22.5946, 17.0755

Details

The XYZ color **25.1745, 33.1069, 22.5162** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.8832, 23.8772, 39.6474**, and the grayscale version is **28.2408, 29.7115, 32.3558**.

A 20% lighter version of the original color is **51.1512, 64.2968, 48.2426**, and **9.9087, 14.0814, 7.9901** is the 20% darker color. If you saturate the color by 10%, you get **22.2174, 31.6893, 17.5945**, and if you desaturate by 10%, it is **28.6668, 34.7820, 28.3843**.

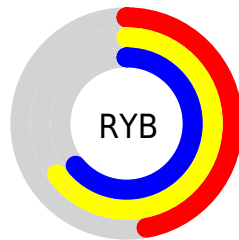
Distribution



Red (48%)

Green (65%)

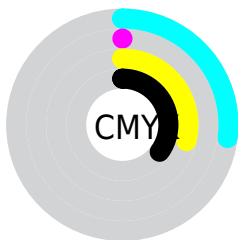
Blue (47%)



Red (47%)

Yellow (65%)

Blue (64%)

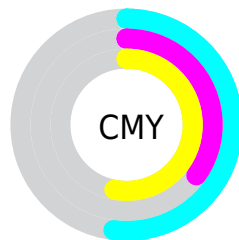


Cyan (27%)

Magenta (0%)

Yellow (29%)

Black (35%)



Cyan (52%)

Magenta (35%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1745, 33.1069, 22.5162 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 25.1745, 33.1069, 22.5162 by changing the saturation by 10% instead.

■ 25.1745, 33.1069,
22.5162

■ 25.1745, 33.1069,
22.5162

271.0375,
316.1312, 278.2712

■ 16.3365, 22.2084,
14.0348

■ 51.3810, 64.5424,
48.5108

■ 9.8550, 14.0101,
8.0058

■ 69.4803, 85.8481,
66.8610

■ 5.3644, 8.1277,
4.0108

■ 91.3974, 111.3917,
89.3379

■ 2.4996, 4.1768,
1.6313

117.4976,
141.5575, 116.3600

■ 0.8950, 1.7729,
0.3130

148.1464,
176.7300, 148.3458

■ 0.0000, 0.4702,
0.0000

183.7091,

■ 0.0000, 0.0000,

217.2935, 185.7139

0.0000

224.5510,
263.6324, 228.8829

■ 25.1745, 33.1069,
22.5162

■ 25.1745, 33.1069,
22.5162

■ 22.2174, 31.6893,
17.5945

■ 28.6668, 34.7820,
28.3843

■ 19.7666, 30.5125,
13.5677

■ 32.7162, 36.7219,
35.2425

■ 17.7944, 29.5642,
10.3827

■ 37.3465, 38.9390,
43.1343

■ 16.2695, 28.8297,
7.9797

■ 42.5794, 41.4437,
52.0999

■ 15.1568, 28.2923,
6.2914

■ 48.4355, 44.2456,
62.1776

■ 14.4157, 27.9328,
5.2389

■ 54.9343, 47.3541,
73.4035

■ 13.9882, 27.7244,
4.6744

■ 62.0946, 50.7781,
85.8123

■ 13.9500, 27.7061,
4.6126

■ 69.9343, 54.5262,
99.4372

■ 73.1094, 56.1187,
101.5865

Harmonies

Analogous

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



28.4506, 33.1069, 17.4160



25.1745, 33.1069, 22.5162



23.6263, 33.1069, 32.2787

Triad

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



25.1745, 33.1069, 22.5162



30.1220, 33.1069, 66.7155



40.3183, 33.1069, 27.8342

Complementary

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



25.1745, 33.1069, 22.5162



28.8832, 23.8772, 39.6474

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.



40.8751, 33.1069, 40.0994



25.1745, 33.1069, 22.5162



34.6896, 33.1069, 64.7076

Square

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



25.1745, 33.1069, 22.5162



26.2971, 33.1069, 59.1044



38.7296, 33.1069, 54.1384



37.2739, 33.1069, 19.9352

Rectangle

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



25.1745, 33.1069, 22.5162



23.6692, 33.1069, 41.0111



38.7296, 33.1069, 54.1384



40.8134, 33.1069, 31.5020

Sweetspot

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



25.1754, 33.1083, 22.5169



58.2648, 65.6078, 62.5618



32.5073, 36.0284, 22.6941



12.7975, 14.5663, 13.5907



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



25.1754, 33.1083, 22.5169



41.8617, 57.7459, 34.9482



26.1464, 33.4484, 29.8128



7.4785, 8.4293, 8.0221



10.6899, 21.2081, 3.5302



0.2732, 0.5228, 0.0865

Inverse Universe

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



28.8832, 23.8772, 39.6474



49.5160, 38.6769, 70.3309



27.7382, 23.4916, 30.3492



7.7949, 7.6424, 9.4826



15.9281, 7.5947, 28.6019



0.4009, 0.1917, 0.6965

Previews

White Background



This preview shows how the XYZ color 25.1745, 33.1069, 22.5162 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 25.1745, 33.1069, 22.5162 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 ✓ Pass

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

XYZ 25.1745, 33.1069, 22.5162

Background



This preview shows how black text looks on a background with the XYZ color 25.1745, 33.1069, 22.5162.



This preview shows how white text looks on a background with the XYZ color 25.1745, 33.1069,

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

25.1745, 33.1069, 22.5162

Protanopia

30.6950, 32.8731, 20.6469

Deuteranopia

33.3787, 32.7487, 23.3008



Tritanopia

29.4737, 32.9840, 44.3483

Trichromacy



Original Color

25.1745, 33.1069, 22.5162

Protanomaly

28.3130, 32.6365, 21.3302

Deuteranomaly

29.8985, 32.6557, 23.1397

Tritanomaly

27.7490, 33.0835, 35.0602

Monochromacy



Original Color

25.1745, 33.1069, 22.5162

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.8842, 30.7378, 28.1830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1745, 33.1069, 22.5162 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(122, 167, 119)` looks like.

```
.text, #text, p{  
    color:rgb(122, 167, 119)  
}
```

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(122, 167, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 167, 119) }
```

Border

The CSS property to change the border of an element to XYZ 25.1745, 33.1069, 22.5162 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(122, 167, 119) }
```


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

```
.border{ border-color:rgb(122, 167, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 167, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 167, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 167, 119);  
box-shadow:4px 4px 4px 4px rgb(122, 167,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1745, 33.1069, 22.5162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 167, 119) }
```

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

```
.background{ background-color: rgb(122,  
167, 119) }
```

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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