

Converting Colors

XYZ(24.8341, 33.3633, 22.4725)

Have a look what the booklet for
XYZ(24.8341, 33.3633, 22.4725)
contains.

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Color

**XYZ(24.9890, 33.5594,
22.6133)**

Conversions

Conversions Part 1

Format	Color
Hex	76A977
RGB	118, 169, 119
RGB Percent	46%, 66%, 47%
CMY	0.5372, 0.3372, 0.5333
CMYK	0.30, 0.00, 0.30, 0.34
HSL	121°, 23%, 56%
HSV	121°, 30%, 66%
XYZ	24.9890, 33.5594, 22.6133
YIQ	148.0510, -14.3460, -26.3620

Conversions

Conversions Part 2

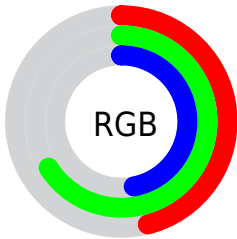
Format	Color
RYB	118, 168, 169
Decimal	7776631
CIELab	64.61, -27.15, 20.55
CIELCh	65, 34.048, 142.885
Yxy	33.5594, 0.3079, 0.4135
Android (android.graphics.Color)	4285966711 (0xFF76A977)
YUV	148.0510, -14.3221, -26.3547
Hunter-Lab	57.9305, -24.3802, 17.4073

Details

The XYZ color **24.9890, 33.5594, 22.6133** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **29.9097, 24.2198, 40.1458**, and the grayscale version is **28.2325, 29.7028, 32.3463**.

A 20% lighter version of the original color is **51.0705, 65.4486, 48.4692**, and **9.7815, 14.3581, 8.0502** is the 20% darker color. If you saturate the color by 10%, you get **21.9865, 32.1177, 17.7237**, and if you desaturate by 10%, it is **28.5779, 35.2854, 28.4374**.

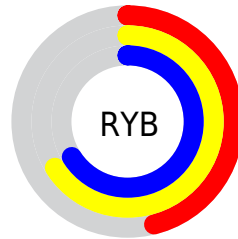
Distribution



Red (46%)

Green (66%)

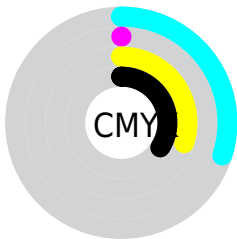
Blue (47%)



Red (46%)

Yellow (66%)

Blue (66%)

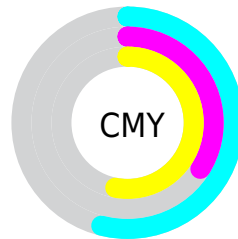


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (34%)



Cyan (54%)

Magenta (34%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9890, 33.5594, 22.6133 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 24.9890, 33.5594, 22.6133 by changing the saturation by 10% instead.

■ 24.9890, 33.5594,
22.6133

■ 24.9890, 33.5594,
22.6133

270.1318,
318.1629, 278.7898

■ 16.1975, 22.5553,
14.1056

■ 51.0824, 65.2479,
48.6727

■ 9.7558, 14.2655,
8.0546

■ 69.1151, 86.7011,
67.0615

■ 5.2984, 8.3056,
4.0416

■ 90.9588, 112.4062,
89.5811

■ 2.4599, 4.2911,
1.6482

116.9791,
142.7475, 116.6500

■ 0.8751, 1.8377,
0.3249

147.5411,
178.1094, 148.6868

■ 0.0000, 0.5105,
0.0000

183.0104,

■ 0.0000, 0.0000,

218.8764, 186.1100

0.0000

223.7521,
265.4328, 229.3382

■ 24.9890, 33.5594,
22.6133

■ 24.9890, 33.5594,
22.6133

■ 21.9865, 32.1177,
17.7237

■ 28.5779, 35.2854,
28.4374

■ 19.5370, 30.9410,
13.7179

■ 32.7794, 37.3051,
35.2386

■ 17.6074, 30.0145,
10.5437


■ 37.6211, 39.6330,
43.0598


■ 16.1601, 29.3201,
8.1428


■ 43.1282, 42.2811,
51.9405

■ 15.1528, 28.8372,
6.4492


■ 49.3245, 45.2611,
61.9181


 14.5353, 28.5418,
5.3858

 56.2328, 48.5836,
73.0285

 14.2068, 28.3845,
4.8252

 63.8747, 52.2594,
85.3055

 72.2708, 56.2981,
98.7818

 73.4786, 56.8572,
101.7095

Harmonies

Analogous

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



28.3880, 33.5594, 16.9635



24.9890, 33.5594, 22.6133



23.4680, 33.5594, 33.3140

Triad

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



24.9890, 33.5594, 22.6133



30.7498, 33.5594, 70.1906



41.3393, 33.5594, 27.0607

Complementary

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



24.9890, 33.5594, 22.6133



29.9097, 24.2198, 40.1458

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.



42.1358, 33.5594, 39.9689



24.9890, 33.5594, 22.6133



35.6843, 33.5594, 67.2850

Square

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



24.9890, 33.5594, 22.6133



26.5670, 33.5594, 62.4104



39.9739, 33.5594, 55.2585



37.8965, 33.5594, 19.0370

Rectangle

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



24.9890, 33.5594, 22.6133



23.6019, 33.5594, 42.8618



39.9739, 33.5594, 55.2585



41.9388, 33.5594, 30.8734

Sweetspot

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



24.9899, 33.5608, 22.6140



59.5322, 67.2068, 64.4475



33.6398, 38.0269, 22.7069



12.7273, 14.5289, 13.6456



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.



24.9899, 33.5608, 22.6140



41.1595, 58.3758, 34.6503



26.7210, 34.2533, 31.7302



7.4425, 8.4100, 8.0503



10.5901, 21.1548, 3.6084



0.2595, 0.5154, 0.0973

Inverse Universe

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



29.9097, 24.2198, 40.1458



51.3558, 39.0148, 70.9832



27.7731, 23.3652, 28.8949



7.8355, 7.6640, 9.4508



17.3054, 8.3309, 27.4837



0.4230, 0.2035, 0.6788

Previews

White Background



This preview shows how the XYZ color 24.9890, 33.5594, 22.6133 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 24.9890, 33.5594, 22.6133 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 24.9890, 33.5594, 22.6133

Background



This preview shows how black text looks on a background with the XYZ color 24.9890, 33.5594, 22.6133.



This preview shows how white text looks on a background with the XYZ color 24.9890, 33.5594,

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

24.9890, 33.5594, 22.6133

Protanopia

31.0176, 33.2940, 20.4144

Deuteranopia

33.7729, 33.1878, 23.3648



Tritanopia

29.5603, 33.5250, 45.4704

Trichromacy



Original Color

24.9890, 33.5594, 22.6133

Protanomaly

28.4171, 33.2116, 21.1324

Deuteranomaly

29.8679, 32.8900, 23.1866

Tritanomaly

27.6837, 33.5619, 36.0294

Monochromacy



Original Color

24.9890, 33.5594, 22.6133

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.7204, 30.9014, 28.2232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9890, 33.5594, 22.6133 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(118, 169, 119)` looks like.

```
.text, #text, p{  
    color:rgb(118, 169, 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(118, 169, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 169, 119) }
```

Border

The CSS property to change the border of an element to XYZ 24.9890, 33.5594, 22.6133 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(118, 169, 119) }
```


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

```
.border{ border-color:rgb(118, 169, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 169, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 169, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 169, 119);  
box-shadow:4px 4px 4px 4px rgb(118, 169,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9890, 33.5594, 22.6133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 169, 119) }
```

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

```
.background{ background-color: rgb(118,  
169, 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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