

Converting Colors

XYZ(24.8240, 32.6879, 21.1333)

Have a look what the booklet for
XYZ(24.8240, 32.6879, 21.1333)
contains.

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Color

**XYZ(24.8991, 32.7212,
21.2232)**

Conversions

Conversions Part 1

Format	Color
Hex	7BA673
RGB	123, 166, 115
RGB Percent	48%, 65%, 45%
CMY	0.5176, 0.3490, 0.5490
CMYK	0.26, 0.00, 0.31, 0.35
HSL	111°, 22%, 55%
HSV	111°, 31%, 65%
XYZ	24.8991, 32.7212, 21.2232
YIQ	147.3290, -9.2570, -24.9770

Conversions

Conversions Part 2

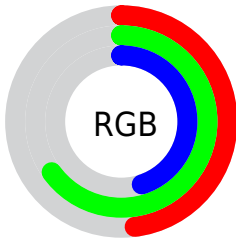
Format	Color
RYB	115, 166, 158
Decimal	8103539
CIELab	63.93, -24.62, 21.86
CIELCh	64, 32.920, 138.400
Yxy	32.7212, 0.3158, 0.4150
Android (android.graphics.Color)	4286293619 (0xFF7BA673)
YUV	147.3290, -15.9382, -21.3365
Hunter-Lab	57.2024, -22.4067, 18.0440

Details

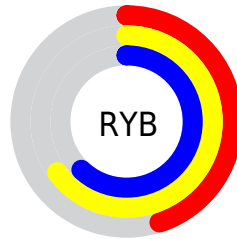
The XYZ color **24.8991, 32.7212, 21.2232** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.1157, 22.2848, 38.9504**, and the grayscale version is **27.9368, 29.3917, 32.0076**.

A 20% lighter version of the original color is **50.7360, 63.7330, 46.1869**, and **9.7483, 13.8444, 7.3127** is the 20% darker color. If you saturate the color by 10%, you get **22.1676, 31.4146, 16.5502**, and if you desaturate by 10%, it is **28.0907, 34.2470, 26.8171**.

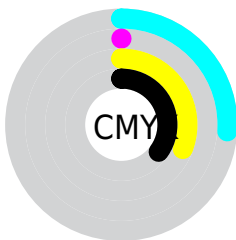
Distribution



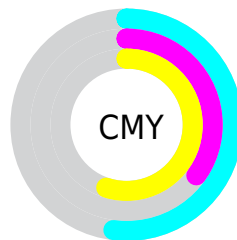
- Red (48%)
- Green (65%)
- Blue (45%)



- Red (45%)
- Yellow (65%)
- Blue (62%)



- Cyan (26%)
- Magenta (0%)
- Yellow (31%)
- Black (35%)



- Cyan (52%)
- Magenta (35%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8991, 32.7212, 21.2232 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 24.8991, 32.7212, 21.2232 by changing the saturation by 10% instead.

■ 24.8991, 32.7212,
21.2232

■ 24.8991, 32.7212,
21.2232

269.6920,
314.3916, 271.2822

■ 16.1302, 21.9130,
13.0944

■ 50.9376, 63.9400,
46.3443

■ 9.7078, 13.7930,
7.3621

■ 68.9379, 85.1194,
64.1737

■ 5.2664, 7.9768,
3.6077

■ 90.7460, 110.5245,
86.0738

■ 2.4408, 4.0801,
1.4127

116.7274,
140.5399, 112.4630

■ 0.8655, 1.7185,
0.1516

147.2473,
175.5499, 143.7599

■ 0.0000, 0.4356,
0.0000

182.6711,

■ 0.0000, 0.0000,

215.9389, 180.3830

0.0000

223.3642,
262.0914, 222.7510

■ 24.8991, 32.7212,
21.2232

■ 24.8991, 32.7212,
21.2232

■ 22.1676, 31.4146,
16.5502

■ 28.0907, 34.2470,
26.8171

■ 19.8723, 30.3132,
12.7467

■ 31.7597, 35.9971,
33.3753

■ 17.9910, 29.4075,
9.7596


■ 35.9257, 37.9816,
40.9410


■ 16.4985, 28.6859,
7.5291


■ 40.6065, 40.2088,
49.5542


■ 15.3666, 28.1354,
5.9873


■ 45.8188, 42.6866,
59.2527


 14.5634, 27.7411,
5.0540

 51.5788, 45.4225,
70.0724

 14.0638, 27.4938,
4.5656

 57.9019, 48.4237,
82.0476

 64.8028, 51.6970,
95.2112

 70.7440, 54.6285,
101.4235

Harmonies

Analogous

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



28.3706, 32.7212, 16.4781



24.8991, 32.7212, 21.2232



23.1597, 32.7212, 30.7367

Triad

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



24.8991, 32.7212, 21.2232



29.3422, 32.7212, 66.9458



40.3496, 32.7212, 28.1614

Complementary

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



24.8991, 32.7212, 21.2232



27.1157, 22.2848, 38.9504

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.



40.6760, 32.7212, 41.0121



24.8991, 32.7212, 21.2232



34.0001, 32.7212, 65.7594

Square

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



24.8991, 32.7212, 21.2232



25.5493, 32.7212, 58.3332



38.2546, 32.7212, 55.4089



37.4026, 32.7212, 19.7430

Rectangle

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



24.8991, 32.7212, 21.2232



23.0888, 32.7212, 39.4891



38.2546, 32.7212, 55.4089



40.7794, 32.7212, 32.0268

Sweetspot

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



24.8999, 32.7226, 21.2239



58.7545, 65.8602, 62.5847



30.9636, 33.6298, 21.0794



12.9217, 14.6303, 13.5966



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.



24.8999, 32.7226, 21.2239



41.6499, 57.6920, 32.4395



24.8724, 32.5847, 26.8092



7.5423, 8.4621, 8.0251



10.9321, 21.3329, 3.5415



0.2973, 0.5352, 0.0876

Inverse Universe

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



27.1157, 22.2848, 38.9504



46.3232, 35.6229, 69.9097



27.2826, 22.5393, 31.3476



7.7247, 7.6062, 9.4793



13.7518, 6.4727, 28.5001



0.3646, 0.1730, 0.6948

Previews

White Background



This preview shows how the XYZ color 24.8991, 32.7212, 21.2232 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 24.8991, 32.7212, 21.2232 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 24.8991, 32.7212, 21.2232

Background



This preview shows how black text looks on a background with the XYZ color 24.8991, 32.7212, 21.2232.



This preview shows how white text looks on a background with the XYZ color 24.8991, 32.7212, 21.2232.

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

24.8991, 32.7212, 21.2232

Protanopia

30.0960, 32.3440, 19.4086

Deuteranopia

32.9757, 32.3355, 21.9561



Tritanopia

29.5174, 32.7614, 43.7976

Trichromacy



Original Color

24.8991, 32.7212, 21.2232

Protanomaly

27.7292, 32.1076, 20.0651

Deuteranomaly

29.4886, 32.2243, 21.8052

Tritanomaly

27.5595, 32.7422, 34.1455

Monochromacy



Original Color

24.8991, 32.7212, 21.2232

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

26.4100, 30.2637, 27.3712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8991, 32.7212, 21.2232 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(123, 166, 115)` looks like.

```
.text, #text, p{  
    color:rgb(123, 166, 115)  
}
```

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(123, 166, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 166, 115) }
```

Border

The CSS property to change the border of an element to XYZ 24.8991, 32.7212, 21.2232 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(123, 166, 115) }
```


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

```
.border{ border-color:rgb(123, 166, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 166, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 166, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 166, 115);  
box-shadow:4px 4px 4px 4px rgb(123, 166,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8991, 32.7212, 21.2232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 166, 115) }
```

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

```
.background{ background-color: rgb(123,  
166, 115) }
```

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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