

Converting Colors

XYZ(24.9236, 33.2364, 23.4392)

Have a look what the booklet for
XYZ(24.9236, 33.2364, 23.4392)
contains.

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Color

**XYZ(24.9867, 33.2620,
23.5156)**

Conversions

Conversions Part 1

Format	Color
Hex	76A87A
RGB	118, 168, 122
RGB Percent	46%, 66%, 48%
CMY	0.5373, 0.3412, 0.5216
CMYK	0.30, 0.00, 0.27, 0.34
HSL	125°, 22%, 56%
HSV	125°, 30%, 66%
XYZ	24.9867, 33.2620, 23.5156
YIQ	147.8060, -15.0340, -24.9060

Conversions

Conversions Part 2

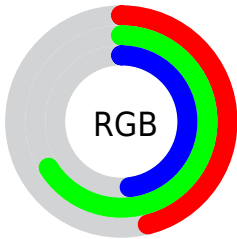
Format	Color
RYB	118, 164, 168
Decimal	7776378
CIELab	64.37, -26.13, 18.58
CIELCh	64, 32.062, 144.588
Yxy	33.2620, 0.3056, 0.4068
Android (android.graphics.Color)	4285966458 (0xFF76A87A)
YUV	147.8060, -12.7224, -26.1399
Hunter-Lab	57.6732, -23.5937, 16.1964

Details

The XYZ color **24.9867, 33.2620, 23.5156** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **29.3289, 23.9627, 38.2028**, and the grayscale version is **28.1240, 29.5886, 32.2220**.

A 20% lighter version of the original color is **50.9201, 64.5284, 50.3289**, and **9.8319, 14.2008, 8.5262** is the 20% darker color. If you saturate the color by 10%, you get **22.0226, 31.8369, 18.7693**, and if you desaturate by 10%, it is **28.5113, 34.9603, 29.0847**.

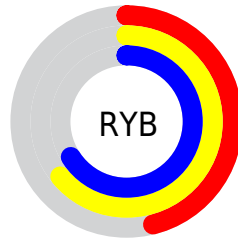
Distribution



Red (46%)

Green (66%)

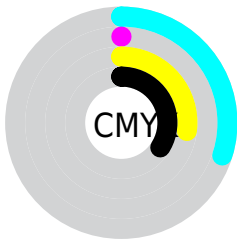
Blue (48%)



Red (46%)

Yellow (64%)

Blue (66%)

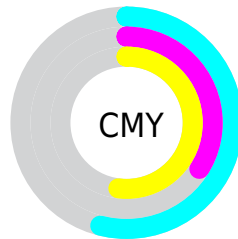


Cyan (30%)

Magenta (0%)

Yellow (27%)

Black (34%)



Cyan (54%)

Magenta (34%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9867, 33.2620, 23.5156 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 24.9867, 33.2620, 23.5156 by changing the saturation by 10% instead.

■ 24.9867, 33.2620,
23.5156

■ 24.9867, 33.2620,
23.5156

270.1206,
316.8287, 283.5695

■ 16.1958, 22.3272,
14.7658

■ 51.0787, 64.7844,
50.1724

■ 9.7546, 14.0975,
8.5104

■ 69.1105, 86.1407,
68.9166

■ 5.2975, 8.1885,
4.3308

■ 90.9534, 111.7398,
91.8293

■ 2.4594, 4.2158,
1.8085

116.9726,
141.9659, 119.3290

■ 0.8748, 1.7950,
0.4336

147.5336,
177.2034, 151.8344

■ 0.0000, 0.4841,
0.0000

183.0017,

■ 0.0000, 0.0000,

217.8368, 189.7639

0.0000

223.7422,
264.2504, 233.5361

■ 24.9867, 33.2620,
23.5156

■ 24.9867, 33.2620,
23.5156

■ 22.0226, 31.8369,
18.7693

■ 28.5113, 34.9603,
29.0847

■ 19.5876, 30.6668,
14.8046

■ 32.6204, 36.9407,
35.5107

■ 17.6512, 29.7379,
11.5805

■ 37.3399, 39.2166,
42.8283

■ 16.1788, 29.0333,
9.0508

■ 42.6932, 41.7995,
51.0699

■ 15.1313, 28.5340,
7.1646

■ 48.7028, 44.7002,
60.2659

■ 14.4631, 28.2177,
5.8639

■ 55.3896, 47.9290,
70.4458

■ 14.0863, 28.0404,
5.0786

■ 62.7741, 51.4958,
81.6374

■ 14.0788, 28.0368,
5.0655

■ 70.8756, 55.4099,
93.8677

■ 73.2933, 56.4866,
101.6478

Harmonies

Analogous

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



28.1011, 33.2620, 17.8296



24.9867, 33.2620, 23.5156



23.6564, 33.2620, 33.8969

Triad

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



24.9867, 33.2620, 23.5156



30.7938, 33.2620, 67.4506



40.2869, 33.2620, 26.7315

Complementary

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



24.9867, 33.2620, 23.5156



29.3289, 23.9627, 38.2028

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.



41.1830, 33.2620, 38.6399



24.9867, 33.2620, 23.5156



35.4093, 33.2620, 64.2226

Square

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



24.9867, 33.2620, 23.5156



26.7961, 33.2620, 60.8111



39.3216, 33.2620, 52.8237



36.9785, 33.2620, 19.3491

Rectangle

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



24.9867, 33.2620, 23.5156



23.8579, 33.2620, 42.9243



39.3216, 33.2620, 52.8237



40.8928, 33.2620, 30.2470

Sweetspot

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



24.9876, 33.2634, 23.5163



59.6721, 67.2627, 65.1840



32.7219, 37.2786, 22.6106



12.7618, 14.5427, 13.8272



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.



24.9876, 33.2634, 23.5163



41.5250, 58.5220, 36.5749



26.6891, 33.9440, 32.4764



7.4602, 8.4171, 8.1436



10.6396, 21.1746, 3.8689



0.2662, 0.5181, 0.1328

Inverse Universe

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



29.3289, 23.9627, 38.2028



50.7415, 38.7691, 67.7485



27.3370, 23.1660, 27.7137



7.8156, 7.6561, 9.3463



16.6433, 8.0660, 23.9970



0.4123, 0.1992, 0.6225

Previews

White Background



This preview shows how the XYZ color 24.9867, 33.2620, 23.5156 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 24.9867, 33.2620, 23.5156 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 24.9867, 33.2620, 23.5156

Background



This preview shows how black text looks on a background with the XYZ color 24.9867, 33.2620, 23.5156.



This preview shows how white text looks on a background with the XYZ color 24.9867, 33.2620,

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

24.9867, 33.2620, 23.5156

Protanopia

30.8101, 32.9191, 21.2532

Deuteranopia

33.5694, 32.8250, 24.3052



Tritanopia

29.2869, 33.1349, 44.8965

Trichromacy



Original Color

24.9867, 33.2620, 23.5156

Protanomaly

28.2352, 32.8392, 21.9900

Deuteranomaly

29.6907, 32.5267, 24.1155

Tritanomaly

27.5040, 33.2026, 35.9695

Monochromacy



Original Color

24.9867, 33.2620, 23.5156

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.6981, 30.6251, 28.9302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9867, 33.2620, 23.5156 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, 168, 122)` looks like.

```
.text, #text, p{  
    color:rgb(118, 168, 122)  
}
```

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, 168, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 168, 122) }
```

Border

The CSS property to change the border of an element to XYZ 24.9867, 33.2620, 23.5156 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, 168, 122) }
```


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

```
.border{ border-color:rgb(118, 168, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 168, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 168, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 168, 122);  
box-shadow:4px 4px 4px 4px rgb(118, 168,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9867, 33.2620, 23.5156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 168, 122) }
```

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

```
.background{ background-color: rgb(118,  
168, 122) }
```

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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