

Converting Colors

XYZ(24.8036, 33.1887, 22.5515)

Have a look what the booklet for
XYZ(24.8036, 33.1887, 22.5515)
contains.

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Color

**XYZ(24.8036, 33.1887,
22.5515)**

Conversions

Conversions Part 1

Format	Color
Hex	76A877
RGB	118, 168, 119
RGB Percent	46%, 66%, 47%
CMY	0.5373, 0.3412, 0.5333
CMYK	0.30, 0.00, 0.29, 0.34
HSL	121°, 22%, 56%
HSV	121°, 30%, 66%
XYZ	24.8036, 33.1887, 22.5515
YIQ	147.4640, -14.0710, -25.8390

Conversions

Conversions Part 2

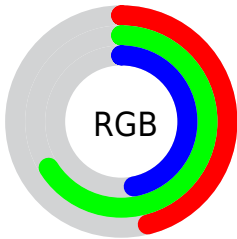
Format	Color
RYB	118, 167, 168
Decimal	7776375
CIELab	64.31, -26.66, 20.14
CIELCh	64, 33.412, 142.932
Yxy	33.1887, 0.3080, 0.4121
Android (android.graphics.Color)	4285966455 (0xFF76A877)
YUV	147.4640, -14.0328, -25.8399
Hunter-Lab	57.6096, -23.9644, 17.1175

Details

The XYZ color **24.8036, 33.1887, 22.5515** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **29.6030, 24.0724, 39.6468**, and the grayscale version is **27.9866, 29.4441, 32.0646**.

A 20% lighter version of the original color is **50.5329, 64.3736, 48.2900**, and **9.6656, 14.1263, 8.0116** is the 20% darker color. If you saturate the color by 10%, you get **21.8176, 31.7548, 17.6899**, and if you desaturate by 10%, it is **28.3690, 34.9034, 28.3358**.

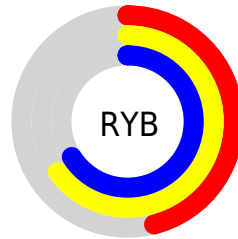
Distribution



Red (46%)

Green (66%)

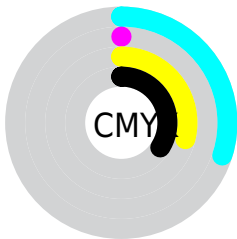
Blue (47%)



Red (46%)

Yellow (65%)

Blue (66%)

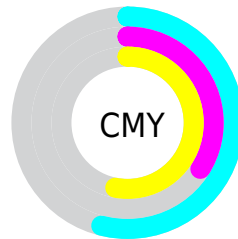


Cyan (30%)

Magenta (0%)

Yellow (29%)

Black (34%)



Cyan (54%)

Magenta (34%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8036, 33.1887, 22.5515 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 24.8036, 33.1887, 22.5515 by changing the saturation by 10% instead.

■ 24.8036, 33.1887,
22.5515

■ 24.8036, 33.1887,
22.5515

269.2242,
316.4992, 278.4598

■ 16.0587, 22.2710,
14.0605

■ 50.7836, 64.6700,
48.5697

■ 9.6568, 14.0562,
8.0235

■ 68.7495, 86.0025,
66.9339

■ 5.2325, 8.1598,
4.0220

■ 90.5197, 111.5753,
89.4263

■ 2.4205, 4.1973,
1.6374

116.4597,
141.7729, 116.4654

■ 0.8553, 1.7846,
0.3173

146.9348,
176.9797, 148.4698

■ 0.0000, 0.4775,
0.0000

182.3103,

■ 0.0000, 0.0000,

217.5801, 185.8580

0.0000

222.9517,
263.9585, 229.0485

■ 24.8036, 33.1887,
22.5515

■ 24.8036, 33.1887,
22.5515

■ 21.8176, 31.7548,
17.6899

■ 28.3690, 34.9034,
28.3358

■ 19.3780, 30.5830,
13.7014

■ 32.5394, 36.9083,
35.0846

■ 17.4525, 29.6584,
10.5347

■ 37.3421, 39.2174,
42.8401

■ 16.0044, 28.9635,
8.1327

■ 42.8017, 41.8428,
51.6410

■ 14.9919, 28.4782,
6.4308

■ 48.9417, 44.7957,
61.5242

■ 14.3662, 28.1788,
5.3539

■ 55.7844, 48.0868,
72.5247

■ 14.0288, 28.0173,
4.7763

■ 63.3511, 51.7265,
84.6759

■ 14.0217, 28.0139,
4.7648

■ 71.6621, 55.7245,
98.0099

■ 73.2933, 56.4865,
101.6478

Harmonies

Analogous

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



28.1181, 33.1887, 17.0026



24.8036, 33.1887, 22.5515



23.3209, 33.1887, 33.0128

Triad

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



24.8036, 33.1887, 22.5515



30.4343, 33.1887, 68.8094



40.7267, 33.1887, 26.8725

Complementary

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



24.8036, 33.1887, 22.5515



29.6030, 24.0724, 39.6468

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.



41.5053, 33.1887, 39.4520



24.8036, 33.1887, 22.5515



35.2393, 33.1887, 65.9784

Square

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



24.8036, 33.1887, 22.5515



26.3534, 33.1887, 61.2861



39.4087, 33.1887, 54.3087



37.3769, 33.1887, 19.0249

Rectangle

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



24.8036, 33.1887, 22.5515



23.4538, 33.1887, 42.3130



39.4087, 33.1887, 54.3087



41.3107, 33.1887, 30.5930

Sweetspot

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



24.8045, 33.1901, 22.5522



59.5331, 67.2072, 64.4524



33.2457, 37.5486, 22.6352



12.7275, 14.5289, 13.6468



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.



24.8045, 33.1901, 22.5522



41.1619, 58.3767, 34.6628



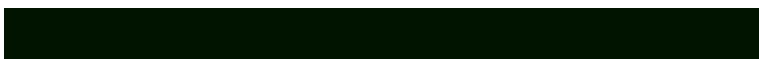
26.4961, 33.8667, 31.4601



7.4426, 8.4101, 8.0509



10.5904, 21.1549, 3.6101



0.2595, 0.5154, 0.0975

Inverse Universe

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



29.6030, 24.0724, 39.6468



51.3516, 39.0132, 70.9615



27.5229, 23.2403, 28.6929



7.8353, 7.6640, 9.4501



17.3009, 8.3291, 27.4597



0.4229, 0.2034, 0.6784

Previews

White Background



This preview shows how the XYZ color 24.8036, 33.1887, 22.5515 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 24.8036, 33.1887, 22.5515 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 24.8036, 33.1887, 22.5515

Background



This preview shows how black text looks on a background with the XYZ color 24.8036, 33.1887, 22.5515.



This preview shows how white text looks on a background with the XYZ color 24.8036, 33.1887,

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

24.8036, 33.1887, 22.5515

Protanopia

30.6383, 32.8504, 20.3487

Deuteranopia

33.3787, 32.7487, 23.3008



Tritanopia

29.2869, 33.1349, 44.8965

Trichromacy



Original Color

24.8036, 33.1887, 22.5515

Protanomaly

28.0597, 32.7690, 21.0658

Deuteranomaly

29.5019, 32.4512, 23.1211

Tritanomaly

27.4204, 33.1691, 35.5289

Monochromacy



Original Color

24.8036, 33.1887, 22.5515

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

26.3900, 30.4831, 28.1598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8036, 33.1887, 22.5515 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(118, 168, 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, 168, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 168, 119) }
```

Border

The CSS property to change the border of an element to XYZ 24.8036, 33.1887, 22.5515 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, 119) }
```


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

```
.border{ border-color:rgb(118, 168, 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, 168, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 168, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 168, 119);  
box-shadow:4px 4px 4px 4px rgb(118, 168,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8036, 33.1887, 22.5515 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, 119) }
```

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

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