

Converting Colors

XYZ(24.8647, 30.2109, 21.6620)

Have a look what the booklet for
XYZ(24.8647, 30.2109, 21.6620)
contains.

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Color

**XYZ(24.8313, 30.0715,
21.6352)**

Conversions

Conversions Part 1

Format	Color
Hex	859C76
RGB	133, 156, 118
RGB Percent	52%, 61%, 46%
CMY	0.4784, 0.3882, 0.5372
CMYK	0.15, 0.00, 0.24, 0.39
HSL	96°, 16%, 54%
HSV	96°, 24%, 61%
XYZ	24.8313, 30.0715, 21.6352
YIQ	144.7910, -1.5100, -16.6940

Conversions

Conversions Part 2

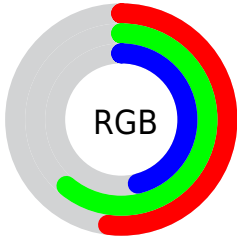
Format	Color
RYB	118, 156, 141
Decimal	8756342
CIELab	61.72, -15.35, 17.29
CIELCh	62, 23.114, 131.596
Yxy	30.0715, 0.3244, 0.3929
Android (android.graphics.Color)	4286946422 (0xFF859C76)
YUV	144.7910, -13.2080, -10.3407
Hunter-Lab	54.8375, -15.1379, 14.9944

Details

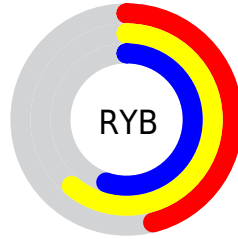
The XYZ color **24.8313, 30.0715, 21.6352** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.4651, 21.0208, 34.2749**, and the grayscale version is **26.8818, 28.2817, 30.7988**.

A 20% lighter version of the original color is **50.7997, 59.9299, 46.9204**, and **9.6930, 12.3718, 7.5073** is the 20% darker color. If you saturate the color by 10%, you get **22.5556, 28.9976, 17.0832**, and if you desaturate by 10%, it is **27.3960, 31.2784, 27.0024**.

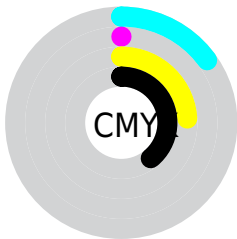
Distribution



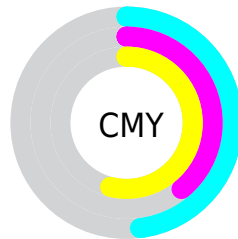
- Red (52%)
- Green (61%)
- Blue (46%)



- Red (46%)
- Yellow (61%)
- Blue (55%)



- Cyan (15%)
- Magenta (0%)
- Yellow (24%)
- Black (39%)



- Cyan (48%)
- Magenta (39%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8313, 30.0715, 21.6352 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 24.8313, 30.0715, 21.6352 by changing the saturation by 10% instead.

■ 24.8313, 30.0715,
21.6352

■ 24.8313, 30.0715,
21.6352

269.3599,
302.2376, 273.5263

■ 16.0795, 19.8929,
13.3933

■ 50.8283, 59.7752,
47.0367

■ 9.6716, 12.3172,
7.5661

■ 68.8041, 80.0691,
65.0335

■ 5.2424, 6.9601,
3.7348

■ 90.5854, 104.5035,
87.1190

■ 2.4264, 3.4371,
1.4810

116.5374,
133.4629, 113.7118

■ 0.8583, 1.3640,
0.2037

147.0255,
167.3316, 145.2304

■ 0.0000, 0.1900,
0.0000

182.4150,

■ 0.0000, 0.0000,

206.4940, 182.0933

0.0000

223.0714,
251.3345, 224.7191

■ 24.8313, 30.0715,
21.6352

■ 24.8313, 30.0715,
21.6352

■ 22.5556, 28.9976,
17.0832

■ 27.3960, 31.2784,
27.0024

■ 20.5555, 28.0481,
13.3046

■ 30.2578, 32.6191,
33.2199

■ 18.8199, 27.2190,
10.2569

■ 33.4272, 34.0990,
40.3232

■ 17.3361, 26.5049,
7.8925

■ 36.9137, 35.7224,
48.3452

■ 16.0900, 25.8996,
6.1585

■ 40.7261, 37.4932,
57.3170

■ 15.0658, 25.3963,
4.9940

■ 44.8732, 39.4151,
67.2684

■ 14.2450, 24.9871,
4.3249

■ 49.3630, 41.4918,
78.2279

■ 13.8489, 24.7885,
4.0548

■ 54.2036, 43.7267,
90.2226

■ 58.8495, 45.9020,
100.3660

Harmonies

Analogous

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



27.4091, 30.0715, 18.7907



24.8313, 30.0715, 21.6352



23.3276, 30.0715, 27.6792

Triad

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



24.8313, 30.0715, 21.6352



26.7545, 30.0715, 51.5963



34.7785, 30.0715, 29.4533

Complementary

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



24.8313, 30.0715, 21.6352



23.4651, 21.0208, 34.2749

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.



34.5717, 30.0715, 38.3890



24.8313, 30.0715, 21.6352



29.7880, 30.0715, 52.3047

Square

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



24.8313, 30.0715, 21.6352



24.3818, 30.0715, 45.3296



32.6927, 30.0715, 47.1198



33.2390, 30.0715, 22.7325

Rectangle

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



24.8313, 30.0715, 21.6352



23.0663, 30.0715, 33.2171



32.6927, 30.0715, 47.1198



34.9137, 30.0715, 32.2729

Sweetspot

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



24.8321, 30.0728, 21.6359



53.4543, 58.5408, 57.0371



26.4770, 27.3680, 21.0271



11.7008, 12.8527, 12.4162



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



24.8321, 30.0728, 21.6359



42.8801, 53.5707, 34.8036



22.8611, 29.0301, 22.7465



6.7861, 7.5224, 7.0800



11.4435, 20.4361, 3.3414



0.2507, 0.3892, 0.0619

Inverse Universe

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



23.4651, 21.0208, 34.2749



39.9744, 34.3432, 61.6488



25.8738, 22.2992, 32.7337



6.6505, 6.6238, 8.3347



8.8212, 3.9765, 26.2098



0.2043, 0.0951, 0.4708

Previews

White Background



This preview shows how the XYZ color 24.8313, 30.0715, 21.6352 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 24.8313, 30.0715, 21.6352 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 24.8313, 30.0715, 21.6352

Background



This preview shows how black text looks on a background with the XYZ color 24.8313, 30.0715, 21.6352.



This preview shows how white text looks on a background with the XYZ color 24.8313, 30.0715,

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

24.8313, 30.0715, 21.6352

Protanopia

28.1400, 30.1036, 20.5471

Deuteranopia

30.5072, 29.9096, 22.2544



Tritanopia

28.2432, 29.9968, 38.4838

Trichromacy



Original Color

24.8313, 30.0715, 21.6352

Protanomaly

26.9583, 30.2015, 20.9316

Deuteranomaly

28.0806, 29.8050, 22.0422

Tritanomaly

26.7331, 29.8502, 31.5468

Monochromacy



Original Color

24.8313, 30.0715, 21.6352

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.1051, 28.9069, 27.1254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8313, 30.0715, 21.6352 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(133, 156, 118)` looks like.

```
.text, #text, p{  
    color:rgb(133, 156, 118)  
}
```

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(133, 156, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 156, 118) }
```

Border

The CSS property to change the border of an element to XYZ 24.8313, 30.0715, 21.6352 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(133, 156, 118) }
```


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

```
.border{ border-color:rgb(133, 156, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 156, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 156, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 156, 118);  
box-shadow:4px 4px 4px 4px rgb(133, 156,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8313, 30.0715, 21.6352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 156, 118) }
```

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

```
.background{ background-color: rgb(133,  
156, 118) }
```

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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