

Converting Colors

XYZ(24.4350, 30.8028, 13.6745)

Have a look what the booklet for
XYZ(24.4350, 30.8028, 13.6745)
contains.

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Color

**XYZ(24.4350, 30.8028,
13.6745)**

Conversions

Conversions Part 1

Format	Color
Hex	899F57
RGB	137, 159, 87
RGB Percent	54%, 62%, 34%
CMY	0.4627, 0.3765, 0.6588
CMYK	0.14, 0.00, 0.45, 0.38
HSL	78°, 29%, 48%
HSV	78°, 45%, 62%
XYZ	24.4350, 30.8028, 13.6745
YIQ	144.2140, 10.0000, -27.0560

Conversions

Conversions Part 2

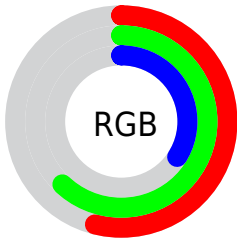
Format	Color
RYB	87, 159, 109
Decimal	9019223
CIELab	62.34, -19.75, 34.91
CIELCh	62, 40.112, 119.494
Yxy	30.8028, 0.3546, 0.4470
Android (android.graphics.Color)	4287209303 (0xFF899F57)
YUV	144.2140, -28.2065, -6.3267
Hunter-Lab	55.5003, -18.5376, 24.2420

Details

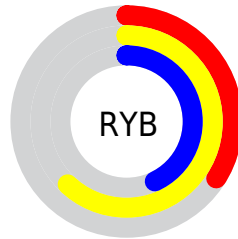
The XYZ color **24.4350, 30.8028, 13.6745** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.9741, 12.5716, 34.3873**, and the grayscale version is **26.7036, 28.0943, 30.5947**.

A 20% lighter version of the original color is **50.3722, 61.1346, 33.1900**, and **9.4751, 12.8029, 3.8913** is the 20% darker color. If you saturate the color by 10%, you get **23.0772, 30.1708, 10.5856**, and if you desaturate by 10%, it is **25.9733, 31.5133, 17.5200**.

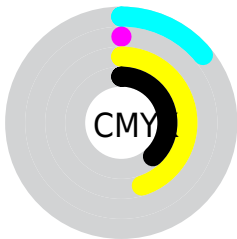
Distribution



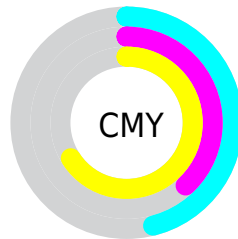
- Red (54%)
- Green (62%)
- Blue (34%)



- Red (34%)
- Yellow (62%)
- Blue (43%)



- Cyan (14%)
- Magenta (0%)
- Yellow (45%)
- Black (38%)



- Cyan (46%)
- Magenta (38%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4350, 30.8028, 13.6745 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 24.4350, 30.8028, 13.6745 by changing the saturation by 10% instead.

■ 24.4350, 30.8028,
13.6745

■ 24.4350, 30.8028,
13.6745

267.4122,
305.6288, 226.5539

■ 15.7831, 20.4487,
7.7585

■ 50.1887, 60.9295,
33.2191

■ 9.4607, 12.7216,
3.8552

■ 68.0211, 81.4709,
47.6848

■ 5.1024, 7.2372,
1.5463

■ 89.6445, 106.1768,
65.8374

■ 2.3428, 3.6109,
0.2520

■ 115.4241,
135.4317, 88.0956

■ 0.8164, 1.4584,
0.0000

■ 145.7253,
169.6200, 114.8777

■ 0.0000, 0.2591,
0.0000

180.9135,

■ 0.0000, 0.0000,

209.1260, 146.6025

0.0000

221.3540,
254.3341, 183.6884

■ 24.4350, 30.8028,
13.6745

■ 24.4350, 30.8028,
13.6745

■ 23.0772, 30.1708,
10.5856

■ 25.9733, 31.5133,
17.5200

■ 21.8877, 29.6091,
8.2013

■ 27.6990, 32.3019,
22.1657

■ 20.8561, 29.1146,
6.4661


■ 29.6211, 33.1733,
27.6541


■ 19.9696, 28.6822,
5.3155


■ 31.7476, 34.1307,
34.0243


■ 19.2120, 28.3052,
4.6662


■ 34.0858, 35.1772,
41.3126

 18.8807, 28.1391,
4.4363

 36.6426, 36.3156,
49.5537

 39.4248, 37.5485,
58.7803

 42.4385, 38.8785,
69.0234

 45.6900, 40.3082,
80.3128

Harmonies

Analogous

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



29.3693, 30.8028, 11.6545



24.4350, 30.8028, 13.6745



21.1766, 30.8028, 20.5427

Triad

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



24.4350, 30.8028, 13.6745



24.2939, 30.8028, 66.4319



40.9984, 30.8028, 33.8035

Complementary

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



24.4350, 30.8028, 13.6745



15.9741, 12.5716, 34.3873

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.



39.2176, 30.8028, 51.1084



24.4350, 30.8028, 13.6745



29.1851, 30.8028, 73.1692

Square

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



24.4350, 30.8028, 13.6745



21.1025, 30.8028, 50.5058



34.7201, 30.8028, 66.8488



39.3297, 30.8028, 20.8740

Rectangle

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



24.4350, 30.8028, 13.6745



20.1702, 30.8028, 28.3805



34.7201, 30.8028, 66.8488



40.7803, 30.8028, 39.2876

Sweetspot

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



24.4358, 30.8042, 13.6752



53.4161, 59.5743, 50.6102



21.4456, 18.9122, 11.5374



11.8756, 13.3555, 10.9210



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



24.4358, 30.8042, 13.6752



41.3854, 54.0576, 19.0825



19.5312, 28.2758, 13.4456



6.9727, 7.6186, 7.0887



14.9556, 22.2466, 3.5058



0.3082, 0.4188, 0.0646

Inverse Universe

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



15.9741, 12.5716, 34.3873



24.3692, 17.3446, 60.8069



21.2740, 15.3038, 34.6354



6.4659, 6.5287, 8.3260



5.9661, 2.5046, 26.0762



0.1469, 0.0655, 0.4681

Previews

White Background



This preview shows how the XYZ color 24.4350, 30.8028, 13.6745 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 24.4350, 30.8028, 13.6745 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 24.4350, 30.8028, 13.6745

Background



This preview shows how black text looks on a background with the XYZ color 24.4350, 30.8028, 13.6745.



This preview shows how white text looks on a background with the XYZ color 24.4350, 30.8028,

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

24.4350, 30.8028, 13.6745

Protanopia

28.1839, 30.7726, 12.8418

Deuteranopia

31.1530, 30.6469, 14.1710



Tritanopia

29.4606, 30.6244, 38.5408

Trichromacy



Original Color

24.4350, 30.8028, 13.6745

Protanomaly

26.7129, 30.7356, 13.1190

Deuteranomaly

28.3188, 30.3401, 14.0365

Tritanomaly

27.0921, 30.3714, 27.3560

Monochromacy



Original Color

24.4350, 30.8028, 13.6745

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.3071, 28.5877, 22.9230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4350, 30.8028, 13.6745 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(137, 159, 87)` looks like.

```
.text, #text, p{  
    color:rgb(137, 159, 87)  
}
```

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(137, 159, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 159, 87) }
```

Border

The CSS property to change the border of an element to XYZ 24.4350, 30.8028, 13.6745 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(137, 159, 87) }
```


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

```
.border{ border-color:rgb(137, 159, 87) }
```

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

Here you see how a box with a 4 pixel rgb(137, 159, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 159, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 159, 87);  
box-shadow:4px 4px 4px 4px rgb(137, 159,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4350, 30.8028, 13.6745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 159, 87) }
```

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

```
.background{ background-color: rgb(137,  
159, 87) }
```

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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