

Converting Colors

XYZ(24.8799, 33.2610, 17.0529)

Have a look what the booklet for
XYZ(24.8799, 33.2610, 17.0529)
contains.

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Color

**XYZ(24.9071, 33.3610,
17.1832)**

Conversions

Conversions Part 1

Format	Color
Hex	7EA864
RGB	126, 168, 100
RGB Percent	49%, 66%, 39%
CMY	0.5059, 0.3412, 0.6078
CMYK	0.25, 0.00, 0.40, 0.34
HSL	97°, 28%, 53%
HSV	97°, 40%, 66%
XYZ	24.9071, 33.3610, 17.1832
YIQ	147.6900, -3.2040, -30.0520

Conversions

Conversions Part 2

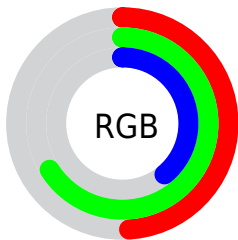
Format	Color
RYB	100, 168, 142
Decimal	8300644
CIELab	64.45, -26.81, 30.63
CIELCh	64, 40.710, 131.199
Yxy	33.3610, 0.3301, 0.4422
Android (android.graphics.Color)	4286490724 (0xFF7EA864)
YUV	147.6900, -23.5112, -19.0221
Hunter-Lab	57.7590, -24.1046, 22.7926

Details

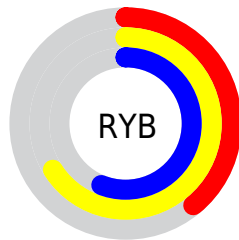
The XYZ color **24.9071, 33.3610, 17.1832** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.7818, 17.6933, 39.2620**, and the grayscale version is **28.1157, 29.5799, 32.2125**.

A 20% lighter version of the original color is **50.8776, 64.7456, 39.5214**, and **9.7669, 14.2346, 5.4816** is the 20% darker color. If you saturate the color by 10%, you get **22.7249, 32.3215, 13.2655**, and if you desaturate by 10%, it is **27.4174, 34.5523, 21.9930**.

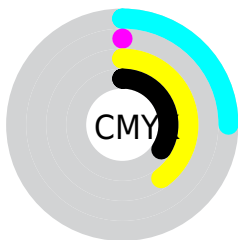
Distribution



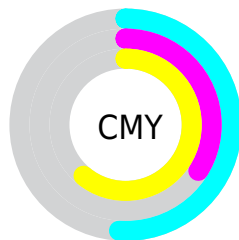
- Red (49%)
- Green (66%)
- Blue (39%)



- Red (39%)
- Yellow (66%)
- Blue (56%)



- Cyan (25%)
- Magenta (0%)
- Yellow (40%)
- Black (34%)



- Cyan (51%)
- Magenta (34%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9071, 33.3610, 17.1832 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 24.9071, 33.3610, 17.1832 by changing the saturation by 10% instead.

■ 24.9071, 33.3610,
17.1832

■ 24.9071, 33.3610,
17.1832

269.7312,
317.2733, 248.3055

■ 16.1362, 22.4031,
10.2019

■ 50.9505, 64.9387,
39.4355

■ 9.7121, 14.1534,
5.4256

■ 68.9536, 86.3274,
55.5434

■ 5.2693, 8.2274,
2.4360

■ 90.7650, 111.9618,
75.5307

■ 2.4425, 4.2408,
0.8060

■ 116.7498,
142.2263, 99.8158

■ 0.8663, 1.8092,
0.0000

147.2735,
177.5053, 128.8173

■ 0.0000, 0.4929,
0.0000

182.7013,

■ 0.0000, 0.0000,

218.1832, 162.9538

0.0000

223.3988,
264.6444, 202.6436

■ 24.9071, 33.3610,
17.1832

■ 24.9071, 33.3610,
17.1832

■ 22.7249, 32.3215,
13.2655

■ 27.4174, 34.5523,
21.9930

■ 20.8532, 31.4229,
10.1827

■ 30.2675, 35.8972,
27.7429

■ 19.2762, 30.6594,
7.8746


■ 33.4713, 37.4031,
34.4801

■ 17.9754, 30.0229,
6.2718


■ 37.0414, 39.0753,
42.2480


■ 16.9297, 29.5044,
5.2929


■ 40.9896, 40.9191,
51.0874

 16.1328, 29.1044,
4.7674

 45.3271, 42.9394,
61.0369

 50.0646, 45.1410,
72.1332

 55.2126, 47.5285,
84.4112

 60.7809, 50.1062,
97.9046

Harmonies

Analogous

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



29.5888, 33.3610, 13.1168



24.9071, 33.3610, 17.1832



22.2685, 33.3610, 26.9615

Triad

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



24.9071, 33.3610, 17.1832



28.2441, 33.3610, 75.7906



43.9731, 33.3610, 30.4601

Complementary

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



24.9071, 33.3610, 17.1832



22.7818, 17.6933, 39.2620

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.



43.4984, 33.3610, 47.6371



24.9071, 33.3610, 17.1832



33.9274, 33.3610, 77.5965

Square

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



24.9071, 33.3610, 17.1832



24.0265, 33.3610, 61.7252



39.6477, 33.3610, 66.0936



40.8751, 33.3610, 19.0684

Rectangle

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



24.9071, 33.3610, 17.1832



21.8030, 33.3610, 36.9980



39.6477, 33.3610, 66.0936



44.2351, 33.3610, 35.6591

Sweetspot

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



24.9079, 33.3624, 17.1839



59.6746, 67.3721, 60.3016



28.1131, 28.5725, 16.0904



12.8462, 14.6089, 12.8029



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.



24.9079, 33.3624, 17.1839



41.4487, 58.7512, 24.4390



21.9624, 31.7974, 19.1494



7.6978, 8.5423, 8.0324



12.2358, 22.0050, 3.6025



0.3549, 0.5649, 0.0903

Inverse Universe

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



22.7818, 17.6933, 39.2620



37.0125, 26.1747, 70.3265



27.0579, 19.9805, 35.7204



7.5599, 7.5212, 9.4716



9.6868, 4.3772, 28.3098



0.2900, 0.1345, 0.6913

Previews

White Background



This preview shows how the XYZ color 24.9071, 33.3610, 17.1832 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 24.9071, 33.3610, 17.1832 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 24.9071, 33.3610, 17.1832

Background



This preview shows how black text looks on a background with the XYZ color 24.9071, 33.3610, 17.1832.



This preview shows how white text looks on a background with the XYZ color 24.9071, 33.3610,

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

24.9071, 33.3610, 17.1832

Protanopia

30.5316, 33.1492, 15.6157

Deuteranopia

33.7397, 33.0592, 17.6995



Tritanopia

30.1611, 33.0932, 43.8277

Trichromacy



Original Color

24.9071, 33.3610, 17.1832

Protanomaly

28.0549, 32.8747, 16.1761

Deuteranomaly

29.8537, 32.7555, 17.5810

Tritanomaly

27.7815, 32.9025, 32.0807

Monochromacy



Original Color

24.9071, 33.3610, 17.1832

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.6333, 30.6568, 25.9864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9071, 33.3610, 17.1832 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(126, 168, 100)` looks like.

```
.text, #text, p{  
    color:rgb(126, 168, 100)  
}
```

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(126, 168, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 168, 100) }
```

Border

The CSS property to change the border of an element to XYZ 24.9071, 33.3610, 17.1832 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(126, 168, 100) }
```


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

```
.border{ border-color:rgb(126, 168, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 168, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 168, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 168, 100);  
box-shadow:4px 4px 4px 4px rgb(126, 168,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9071, 33.3610, 17.1832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 168, 100) }
```

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

```
.background{ background-color: rgb(126,  
168, 100) }
```

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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