

Converting Colors

XYZ(28.0875, 33.1042, 17.4406)

Have a look what the booklet for
XYZ(28.0875, 33.1042, 17.4406)
contains.

XYZ(28.0920, 33.1244, 17.4834)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.0920, 33.1244,
17.4834)**

Conversions

Conversions Part 1

Format	Color
Hex	98A166
RGB	152, 161, 102
RGB Percent	60%, 63%, 40%
CMY	0.4039, 0.3686, 0.6000
CMYK	0.06, 0.00, 0.37, 0.37
HSL	69°, 24%, 52%
HSV	69°, 37%, 63%
XYZ	28.0920, 33.1244, 17.4834
YIQ	151.5830, 13.5750, -20.2570

Conversions

Conversions Part 2

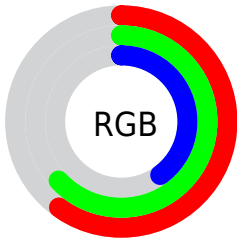
Format	Color
RYB	102, 161, 111
Decimal	10002790
CIELab	64.26, -12.90, 29.68
CIELCh	64, 32.358, 113.491
Yxy	33.1244, 0.3570, 0.4209
Android (android.graphics.Color)	4288192870 (0xFF98A166)
YUV	151.5830, -24.4444, 0.3657
Hunter-Lab	57.5538, -13.5933, 22.2768

Details

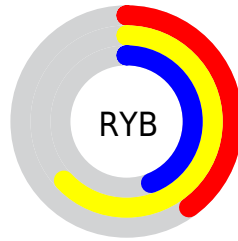
The XYZ color **28.0920, 33.1244, 17.4834** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.7412, 15.4563, 35.7684**, and the grayscale version is **29.7638, 31.3139, 34.1008**.

A 20% lighter version of the original color is **56.1207, 64.7102, 40.1043**, and **11.4973, 14.1275, 5.6109** is the 20% darker color. If you saturate the color by 10%, you get **26.9151, 32.6022, 13.6575**, and if you desaturate by 10%, it is **29.4352, 33.7165, 22.1279**.

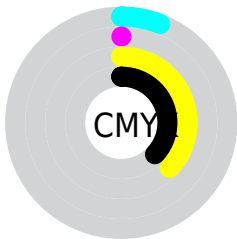
Distribution



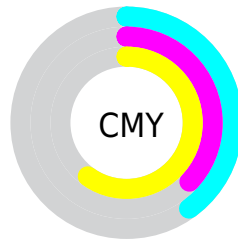
- Red (60%)
- Green (63%)
- Blue (40%)



- Red (40%)
- Yellow (63%)
- Blue (44%)



- Cyan (6%)
- Magenta (0%)
- Yellow (37%)
- Black (37%)



- Cyan (40%)
- Magenta (37%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0920, 33.1244, 17.4834 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 28.0920, 33.1244, 17.4834 by changing the saturation by 10% instead.

■ 28.0920, 33.1244,
17.4834

■ 28.0920, 33.1244,
17.4834

284.9784,
316.2099, 250.0804

■ 18.5358, 22.2218,
10.4142

■ 56.0389, 64.5697,
39.9570

■ 11.4374, 14.0199,
5.5652

■ 75.1604, 85.8811,
56.1985

■ 6.4313, 8.1345,
2.5181

■ 98.2009, 111.4310,
76.3345

■ 3.1522, 4.1812,
0.8497

■ 125.5260,
141.6036, 100.7834

■ 1.2347, 1.7754,
0.0000

157.5009,
176.7834, 129.9640

■ 0.1335, 0.4718,
0.0000

194.4911,

■ 0.0000, 0.0000,

217.3548, 164.2946

0.0000

236.8618,
263.7022, 204.1939

■ 28.0920, 33.1244,
17.4834

■ 28.0920, 33.1244,
17.4834

■ 26.9151, 32.6022,
13.6575

■ 29.4352, 33.7165,
22.1279

■ 25.8928, 32.1418,
10.6008

■ 30.9506, 34.3775,
27.6326

■ 25.0162, 31.7408,
8.2614


■ 32.6468, 35.1118,
34.0388


■ 24.2739, 31.3945,
6.5805


■ 34.5309, 35.9225,
41.3844


■ 23.6529, 31.0979,
5.4899


■ 36.6100, 36.8123,
49.7053


 23.1340, 30.8432,
4.8891

 38.8903, 37.7837,
59.0354

 22.9696, 30.7618,
4.7270

 41.3783, 38.8393,
69.4069

 44.0797, 39.9814,
80.8509

 47.0002, 41.2123,
93.3967

Harmonies

Analogous

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



32.4958, 33.1244, 16.3170



28.0920, 33.1244, 17.4834



24.9035, 33.1244, 23.0112

Triad

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



28.0920, 33.1244, 17.4834



26.5149, 33.1244, 60.4641



41.1020, 33.1244, 39.0116

Complementary

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



28.0920, 33.1244, 17.4834



17.7412, 15.4563, 35.7684

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.



39.1316, 33.1244, 53.3106



28.0920, 33.1244, 17.4834



30.4929, 33.1244, 67.4968

Square

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



28.0920, 33.1244, 17.4834



24.0568, 33.1244, 47.1211



35.1381, 33.1244, 64.6025



40.3007, 33.1244, 26.8926

Rectangle

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



28.0920, 33.1244, 17.4834



23.7505, 33.1244, 29.3444



35.1381, 33.1244, 64.6025



40.7361, 33.1244, 43.7447

Sweetspot

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



28.0928, 33.1259, 17.4841



57.0384, 62.2626, 55.5212



22.7654, 19.8734, 15.2069



12.4260, 13.6190, 11.8620



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.



28.0928, 33.1259, 17.4841



48.5627, 58.5467, 25.6003



23.2627, 30.6359, 17.2581



7.5428, 8.1823, 7.5619



18.3715, 24.5814, 3.7764



0.4129, 0.5304, 0.0806

Inverse Universe

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



17.7412, 15.4563, 35.7684



27.2747, 22.1895, 63.2320



22.0597, 17.6826, 35.9705



6.7965, 6.9094, 8.8785



5.4728, 2.2278, 27.0713



0.1421, 0.0608, 0.5701

Previews

White Background



This preview shows how the XYZ color 28.0920, 33.1244, 17.4834 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 28.0920, 33.1244, 17.4834 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

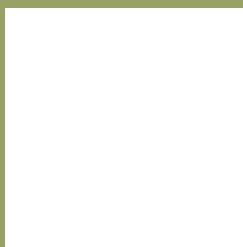
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0920, 33.1244, 17.4834

Background



This preview shows how black text looks on a background with the XYZ color 28.0920, 33.1244, 17.4834.



This preview shows how white text looks on a background with the XYZ color 28.0920, 33.1244,

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

28.0920, 33.1244, 17.4834

Protanopia

30.5509, 33.1321, 16.8415

Deuteranopia

33.5469, 32.9539, 17.9572



Tritanopia

32.6800, 32.9727, 40.2393

Trichromacy



Original Color

28.0920, 33.1244, 17.4834

Protanomaly

29.6801, 33.1798, 17.1520

Deuteranomaly

31.3455, 32.7806, 17.7719

Tritanomaly

30.6756, 32.8980, 30.3244

Monochromacy



Original Color

28.0920, 33.1244, 17.4834

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.9733, 31.8393, 27.1728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0920, 33.1244, 17.4834 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(152, 161, 102)` looks like.

```
.text, #text, p{  
    color:rgb(152, 161, 102)  
}
```

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(152, 161, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 161, 102) }
```

Border

The CSS property to change the border of an element to XYZ 28.0920, 33.1244, 17.4834 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(152, 161, 102) }
```


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

```
.border{ border-color:rgb(152, 161, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 161, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 161, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 161, 102);  
box-shadow:4px 4px 4px 4px rgb(152, 161,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0920, 33.1244, 17.4834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 161, 102) }
```

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

```
.background{ background-color: rgb(152,  
161, 102) }
```

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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