

Converting Colors

XYZ(17.3910, 25.4742, 33.2786)

Have a look what the booklet for
XYZ(17.3910, 25.4742, 33.2786)
contains.

XYZ(17.3910, 25.4742, 33.2786)	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(17.3910, 25.4742,
33.2786)**

Conversions

Conversions Part 1

Format	Color
Hex	129A97
RGB	18, 154, 151
RGB Percent	7%, 60%, 59%
CMY	0.9293, 0.3961, 0.4078
CMYK	0.88, 0.00, 0.02, 0.40
HSL	179°, 79%, 34%
HSV	179°, 88%, 60%
XYZ	17.3910, 25.4742, 33.2786
YIQ	112.9940, -80.0930, -29.7650

Conversions

Conversions Part 2

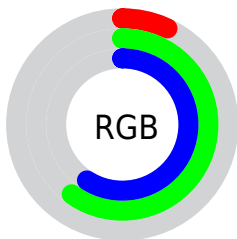
Format	Color
RYB	18, 87, 154
Decimal	1219223
CIELab	57.53, -33.10, -7.94
CIElCh	58, 34.041, 193.482
Yxy	25.4742, 0.2284, 0.3346
Android (android.graphics.Color)	4279409303 (0xFF129A97)
YUV	112.9940, 18.7370, -83.3097
Hunter-Lab	50.4720, -26.8207, -3.7624

Details

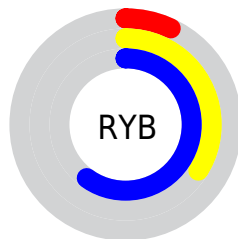
The XYZ color **17.3910, 25.4742, 33.2786** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.6790, 7.3576, 1.4095**, and the grayscale version is **15.6592, 16.4747, 17.9409**.

A 20% lighter version of the original color is **38.5392, 52.4416, 65.8486**, and **7.0516, 10.4228, 13.6967** is the 20% darker color. If you saturate the color by 10%, you get **17.1472, 25.3522, 33.1239**, and if you desaturate by 10%, it is **17.8103, 25.6877, 33.4431**.

Distribution



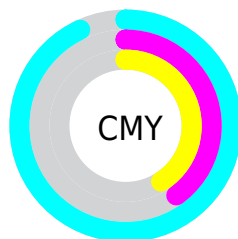
- Red (7%)
- Green (60%)
- Blue (59%)



- Red (7%)
- Yellow (34%)
- Blue (60%)



- Cyan (88%)
- Magenta (0%)
- Yellow (2%)
- Black (40%)





- Cyan (93%)
- Magenta (40%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.3910, 25.4742, 33.2786 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 17.3910, 25.4742, 33.2786 by changing the saturation by 10% instead.


 17.3910, 25.4742,
33.2786


 17.3910, 25.4742,
33.2786


230.5282,
280.1913, 331.5737


 10.6107, 16.4307,
22.0671


 38.5351, 52.4255,
65.9313


 5.8710, 9.8294,
13.7074


 53.6296, 71.1020,
88.2095


 2.8067, 5.2860,
7.7810


 72.2262, 93.7584,
115.0137

 1.0524, 2.4160,
3.8694

 94.6903, 120.7790,
146.7625

 0.0000, 0.8341,
1.5540

 121.3871,
152.5482, 183.8743

 0.0000, 0.0000,
0.2577

 152.6822,

 0.0000, 0.0000,

189.4504, 226.7678

0.0000

188.9407,
231.8700, 275.8614

■ 17.3910, 25.4742,
33.2786

■ 17.3910, 25.4742,
33.2786

■ 17.1472, 25.3522,
33.1239

■ 17.8103, 25.6877,
33.4431

■ 17.1098, 25.3335,
33.0977

■ 18.4552, 26.0170,
33.6180

■ 19.3537, 26.4770,
33.8052

■ 20.5291, 27.0797,
34.0058

■ 22.0022, 27.8359,
34.2207

■ 23.7916, 28.7551,
34.4509

■ 25.9146, 29.8463,
34.6970

■ 28.3871, 31.1176,
34.9600

■ 31.2240, 32.5769,
35.2404

Harmonies

Analogous

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



17.4770, 25.4742, 21.8574



17.3910, 25.4742, 33.2786



18.9817, 25.4742, 46.1264

Triad

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



17.3910, 25.4742, 33.2786



29.9871, 25.4742, 47.3115



26.4989, 25.4742, 11.3579

Complementary

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



17.3910, 25.4742, 33.2786



13.6790, 7.3576, 1.4095

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.



30.3255, 25.4742, 15.0286



17.3910, 25.4742, 33.2786



32.4882, 25.4742, 34.5866

Square

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



17.3910, 25.4742, 33.2786



26.0771, 25.4742, 55.6297



32.6185, 25.4742, 22.8476



22.4389, 25.4742, 11.1898

Rectangle

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



17.3910, 25.4742, 33.2786



20.8937, 25.4742, 52.9159



32.6185, 25.4742, 22.8476



27.8652, 25.4742, 12.1640

Sweetspot

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



17.3918, 25.4752, 33.2792



43.8592, 52.5637, 62.6581



12.0084, 23.3326, 4.4437



9.6685, 11.7645, 14.1509



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.



17.3918, 25.4752, 33.2792



31.0702, 46.0148, 60.0699



9.7848, 9.8661, 31.9615



6.3787, 7.0242, 7.9176



13.9411, 20.6399, 26.9743



0.2100, 0.3092, 0.4117

Inverse Universe

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



13.6790, 7.3576, 1.4095



24.2329, 12.4897, 1.2612



16.4142, 12.8699, 2.1920



6.2140, 6.2248, 6.5073



10.8744, 5.6040, 0.5974



0.1639, 0.0843, 0.0157

Previews

White Background



This preview shows how the XYZ color 17.3910, 25.4742, 33.2786 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3910, 25.4742, 33.2786 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 × Fail

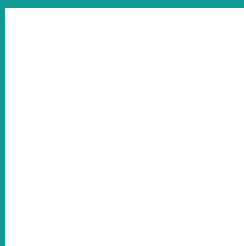
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.3910, 25.4742, 33.2786

Background



This preview shows how black text looks on a background with the XYZ color 17.3910, 25.4742, 33.2786.

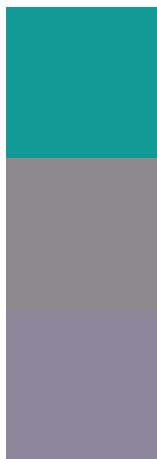


This preview shows how white text looks on a background with the XYZ color 17.3910, 25.4742,

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

17.3910, 25.4742, 33.2786

Protanopia

24.3267, 25.2737, 28.4071

Deuteranopia

25.5968, 25.1675, 34.5191



Tritanopia

18.6222, 25.4941, 39.0613

Trichromacy



Original Color

17.3910, 25.4742, 33.2786

Protanomaly

19.5758, 24.0914, 30.0039

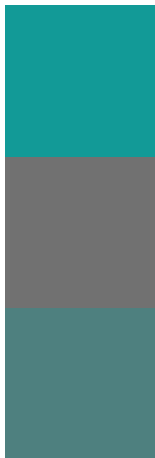
Deuteranomaly

20.2874, 23.9242, 34.1204

Tritanomaly

18.1559, 25.5469, 36.7750

Monochromacy



Original Color

17.3910, 25.4742, 33.2786

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.6918, 18.5904, 22.8926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3910, 25.4742, 33.2786 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(18, 154, 151)` looks like.

```
.text, #text, p{  
    color:rgb(18, 154, 151)  
}
```

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(18, 154, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 154, 151) }
```

Border

The CSS property to change the border of an element to XYZ 17.3910, 25.4742, 33.2786 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(18, 154, 151) }
```


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

```
.border{ border-color:rgb(18, 154, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 154, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 154, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 154, 151);  
box-shadow:4px 4px 4px 4px rgb(18, 154,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3910, 25.4742, 33.2786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 154, 151) }
```

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

```
.background{ background-color: rgb(18, 154,  
151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor