

Converting Colors

XYZ(15.9773, 22.2584, 18.7985)

Have a look what the booklet for
XYZ(15.9773, 22.2584, 18.7985)
contains.

XYZ(15.9910, 22.2652, 18.7840)	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(15.9910, 22.2652,
18.7840)**

Conversions

Conversions Part 1

Format	Color
Hex	518E70
RGB	81, 142, 112
RGB Percent	32%, 56%, 44%
CMY	0.6823, 0.4431, 0.5608
CMYK	0.43, 0.00, 0.21, 0.44
HSL	150°, 27%, 44%
HSV	150°, 43%, 56%
XYZ	15.9910, 22.2652, 18.7840
YIQ	120.3410, -26.7260, -22.2620

Conversions

Conversions Part 2

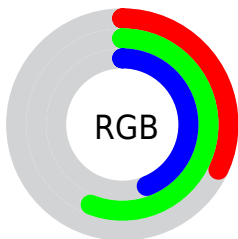
Format	Color
R_{YB}	81, 121, 142
Decimal	5344880
CIE _{Lab}	54.31, -27.02, 9.88
CIE _{LCh}	54, 28.773, 159.912
Yxy	22.2652, 0.2803, 0.3903
Android (android.graphics.Color)	4283534960 (0xFF518E70)
YUV	120.3410, -4.1121, -34.5021
Hunter-Lab	47.1860, -22.0832, 9.4278

Details

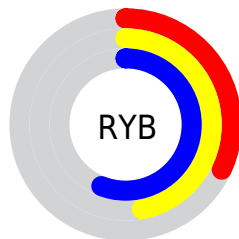
The XYZ color **15.9910, 22.2652, 18.7840** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.9678, 12.7839, 16.6132**, and the grayscale version is **17.9812, 18.9177, 20.6013**.

A 20% lighter version of the original color is **36.1136, 47.1467, 42.3188**, and **5.1732, 8.1135, 6.1439** is the 20% darker color. If you saturate the color by 10%, you get **14.5253, 21.5534, 16.7639**, and if you desaturate by 10%, it is **17.7426, 23.1221, 20.9760**.

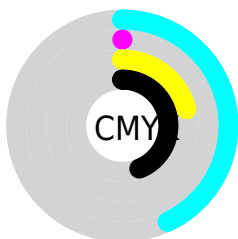
Distribution



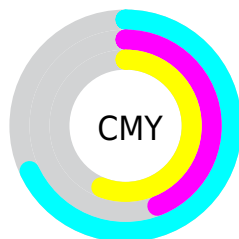
- Red (32%)
- Green (56%)
- Blue (44%)



- Red (32%)
- Yellow (47%)
- Blue (56%)



- Cyan (43%)
- Magenta (0%)
- Yellow (21%)
- Black (44%)



- Cyan (68%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9910, 22.2652, 18.7840 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 15.9910, 22.2652, 18.7840 by changing the saturation by 10% instead.

■ 15.9910, 22.2652,
18.7840

■ 15.9910, 22.2652,
18.7840

222.5600,
263.9281, 257.6366

■ 9.6086, 14.0519,
11.3391

■ 36.1402, 47.1839,
42.2006

■ 5.2005, 8.1568,
6.1784

■ 50.6376, 64.6581,
59.0094

■ 2.4013, 4.1954,
2.8833

■ 68.5708, 85.9881,
79.7765

■ 0.8458, 1.7835,
1.0354

■ 90.3051, 111.5582,
104.9206

■ 0.0000, 0.4768,
0.0000

■ 116.2058,
141.7529, 134.8601

■ 0.0000, 0.0000,
0.0000

146.6382,

176.9565, 170.0135

181.9679,
217.5534, 210.7995

■ 15.9910, 22.2652,
18.7840

■ 15.9910, 22.2652,
18.7840

■ 14.5253, 21.5534,
16.7639

■ 17.7426, 23.1221,
20.9760

■ 13.3269, 20.9754,
14.9097

■ 19.7936, 24.1292,
23.3424

■ 12.3781, 20.5227,
13.2175


■ 22.1587, 25.2945,
25.8878


■ 11.6577, 20.1846,
11.6825


■ 24.8511, 26.6249,
28.6160


■ 11.1410, 19.9483,
10.2994


■ 27.8832, 28.1266,
31.5307

 10.8484, 19.8168,
9.4120

 31.2668, 29.8058,
34.6356

 35.0132, 31.6680,
37.9342

 39.1330, 33.7187,
41.4298

 43.6364, 35.9631,
45.1257

Harmonies

Analogous

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



17.5256, 22.2652, 13.2660



15.9910, 22.2652, 18.7840



15.7625, 22.2652, 27.3379

Triad

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



15.9910, 22.2652, 18.7840



22.2171, 22.2652, 45.5350



26.1309, 22.2652, 14.7678

Complementary

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



15.9910, 22.2652, 18.7840



16.9678, 12.7839, 16.6132

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.



27.6730, 22.2652, 21.3910



15.9910, 22.2652, 18.7840



25.2704, 22.2652, 40.0417

Square

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



15.9910, 22.2652, 18.7840



19.1589, 22.2652, 44.3393



27.3434, 22.2652, 30.6688



23.3010, 22.2652, 11.3755

Rectangle

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



15.9910, 22.2652, 18.7840



16.3557, 22.2652, 33.9111



27.3434, 22.2652, 30.6688



26.8291, 22.2652, 16.6130

Sweetspot

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



15.9916, 22.2661, 18.7845



38.9343, 44.5342, 45.5038



17.7776, 23.3531, 11.3556



8.5024, 9.8513, 9.9597



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.9916, 22.2661, 18.7845



25.5840, 37.9919, 29.5183



17.9496, 23.0493, 29.0952



5.4500, 6.0722, 6.3358



9.7492, 17.7955, 8.4994



0.1043, 0.1746, 0.1398

Inverse Universe

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



16.9678, 12.7839, 16.6132



27.5508, 18.8931, 25.1471



15.5836, 12.2303, 9.3243



5.5125, 5.4655, 6.1968



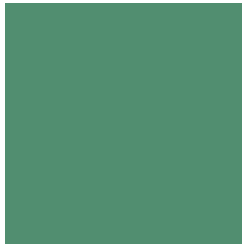
11.0131, 5.5623, 5.7204



0.1164, 0.0576, 0.1130

Previews

White Background



This preview shows how the XYZ color 15.9910, 22.2652, 18.7840 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 15.9910, 22.2652, 18.7840 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 15.9910, 22.2652, 18.7840

Background



This preview shows how black text looks on a background with the XYZ color 15.9910, 22.2652, 18.7840.



This preview shows how white text looks on a background with the XYZ color 15.9910, 22.2652,

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

15.9910, 22.2652, 18.7840

Protanopia

20.7683, 22.0595, 16.7990

Deuteranopia

22.5186, 22.1312, 19.6079



Tritanopia

18.5074, 22.2031, 31.3272

Trichromacy



Original Color

15.9910, 22.2652, 18.7840

Protanomaly

18.5680, 21.9148, 17.4387

Deuteranomaly

19.3792, 21.6814, 19.3832

Tritanomaly

17.5363, 22.2407, 26.2903

Monochromacy



Original Color

15.9910, 22.2652, 18.7840

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.8739, 19.7869, 19.7595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9910, 22.2652, 18.7840 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(81, 142, 112)` looks like.

```
.text, #text, p{  
    color:rgb(81, 142, 112)  
}
```

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(81, 142, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 142, 112) }
```

Border

The CSS property to change the border of an element to XYZ 15.9910, 22.2652, 18.7840 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(81, 142, 112) }
```


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

```
.border{ border-color:rgb(81, 142, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 142, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(81, 142, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(81, 142, 112); box-shadow:4px 4px 4px 4px rgb(81, 142, 112) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9910, 22.2652, 18.7840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 142, 112) }
```

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

```
.background{ background-color: rgb(81, 142,  
112) }
```

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