

Converting Colors

XYZ(16.3754, 22.8699, 20.7202)

Have a look what the booklet for
XYZ(16.3754, 22.8699, 20.7202)
contains.

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Color

**XYZ(16.3852, 22.8742,
20.6911)**

Conversions

Conversions Part 1

Format	Color
Hex	4E9076
RGB	78, 144, 118
RGB Percent	31%, 56%, 46%
CMY	0.6941, 0.4353, 0.5373
CMYK	0.46, 0.00, 0.18, 0.44
HSL	156°, 30%, 44%
HSV	156°, 46%, 56%
XYZ	16.3852, 22.8742, 20.6911
YIQ	121.3020, -30.9900, -22.0780

Conversions

Conversions Part 2

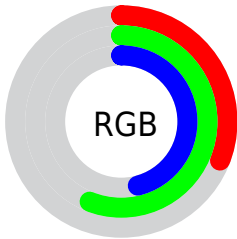
Format	Color
R_{YB}	78, 119, 144
Decimal	5148790
CIE _{Lab}	54.94, -27.51, 7.33
CIE _{LCh}	55, 28.471, 165.080
Yxy	22.8742, 0.2733, 0.3816
Android (android.graphics.Color)	4283338870 (0xFF4E9076)
YUV	121.3020, -1.6279, -37.9759
Hunter-Lab	47.8270, -22.5443, 7.8286

Details

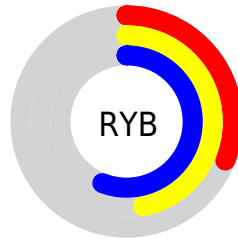
The XYZ color **16.3852, 22.8742, 20.6911** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.7255, 12.3782, 14.6055**, and the grayscale version is **18.2845, 19.2367, 20.9488**.

A 20% lighter version of the original color is **36.8099, 48.1157, 45.3774**, and **5.3965, 8.4651, 7.1438** is the 20% darker color. If you saturate the color by 10%, you get **15.0052, 22.2012, 18.9196**, and if you desaturate by 10%, it is **18.0452, 23.6904, 22.5826**.

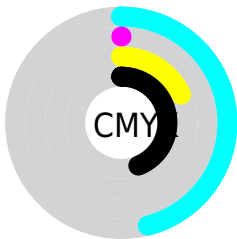
Distribution



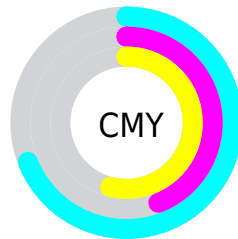
- Red (31%)
- Green (56%)
- Blue (46%)



- Red (31%)
- Yellow (47%)
- Blue (56%)



- Cyan (46%)
- Magenta (0%)
- Yellow (18%)
- Black (44%)



- Cyan (69%)
- Magenta (44%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3852, 22.8742, 20.6911 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 16.3852, 22.8742, 20.6911 by changing the saturation by 10% instead.

■ 16.3852, 22.8742,
20.6911

■ 16.3852, 22.8742,
20.6911

224.8301,
267.0782, 268.3592

■ 9.8897, 14.5006,
12.7094

■ 36.8177, 48.1867,
45.4470

■ 5.3876, 8.4697,
7.1003

■ 51.4855, 65.8944,
63.0582

■ 2.5135, 4.3969,
3.4455

■ 69.6080, 87.4823,
84.7163

■ 0.9021, 1.8980,
1.3264

■ 91.5507, 113.3348,
110.8398

■ 0.0000, 0.5472,
0.0833

■ 117.6789,
143.8362, 141.8473

■ 0.0000, 0.0000,
0.0000

148.3579,

179.3710, 178.1574

183.9532,
220.3235, 220.1885

■ 16.3852, 22.8742,
20.6911

■ 16.3852, 22.8742,
20.6911

■ 15.0052, 22.2012,
18.9196

■ 18.0452, 23.6904,
22.5826

■ 13.8858, 21.6596,
17.2638

■ 19.9990, 24.6551,
24.5950

■ 13.0081, 21.2404,
15.7214

■ 22.2620, 25.7768,
26.7314

■ 12.3500, 20.9321,
14.2896

■ 24.8477, 27.0624,
28.9939

■ 11.8787, 20.7180,
12.9646

■ 27.7689, 28.5184,
31.3850

■ 11.7050, 20.6398,
12.4420

■ 31.0378, 30.1512,
33.9068

■ 34.6658, 31.9664,
36.5615

■ 38.6637, 33.9699,
39.3511

■ 43.0421, 36.1668,
42.2777

Harmonies

Analogous

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



17.7183, 22.8742, 14.5330



16.3852, 22.8742, 20.6911



16.3888, 22.8742, 29.7106

Triad

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



16.3852, 22.8742, 20.6911



23.3598, 22.8742, 45.7567



26.3176, 22.8742, 14.5091

Complementary

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



16.3852, 22.8742, 20.6911



16.7255, 12.3782, 14.6055

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.



28.1480, 22.8742, 20.6497



16.3852, 22.8742, 20.6911



26.3312, 22.8742, 39.3164

Square

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



16.3852, 22.8742, 20.6911



20.2148, 22.8742, 45.7756



28.1532, 22.8742, 29.6579



23.3426, 22.8742, 11.5968

Rectangle

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



16.3852, 22.8742, 20.6911



17.1405, 22.8742, 36.2987



28.1532, 22.8742, 29.6579



27.0993, 22.8742, 16.1880

Sweetspot

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



16.3858, 22.8751, 20.6916



39.9304, 45.7938, 47.7481



17.1047, 23.4646, 10.8358



8.9640, 10.4057, 10.7753



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.3858, 22.8751, 20.6916



26.3999, 39.1247, 33.2793



17.1793, 21.6395, 29.6580



5.4715, 6.0808, 6.4486



10.2043, 17.9776, 10.8961



0.1084, 0.1762, 0.1614

Inverse Universe

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



16.7255, 12.3782, 14.6055



27.0830, 18.2203, 21.1921



16.0946, 12.9142, 8.8527



5.4914, 5.4571, 6.0856



10.6641, 5.4226, 3.8823



0.1123, 0.0560, 0.0914

Previews

White Background



This preview shows how the XYZ color 16.3852, 22.8742, 20.6911 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 16.3852, 22.8742, 20.6911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

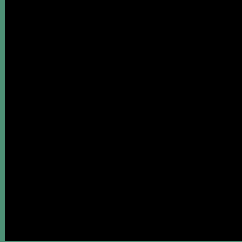
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.3852, 22.8742, 20.6911

Background



This preview shows how black text looks on a background with the XYZ color 16.3852, 22.8742, 20.6911.



This preview shows how white text looks on a background with the XYZ color 16.3852, 22.8742,

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

16.3852, 22.8742, 20.6911

Protanopia

21.3331, 22.5162, 18.2606

Deuteranopia

23.0063, 22.5299, 21.5485



Tritanopia

18.7490, 22.7258, 32.6765

Trichromacy



Original Color

16.3852, 22.8742, 20.6911

Protanomaly

18.9037, 22.2559, 19.2191

Deuteranomaly

19.8648, 22.2931, 21.3452

Tritanomaly

17.8412, 22.7987, 27.8863

Monochromacy



Original Color

16.3852, 22.8742, 20.6911

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.0661, 20.0598, 20.7418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3852, 22.8742, 20.6911 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(78, 144, 118)` looks like.

```
.text, #text, p{  
    color:rgb(78, 144, 118)  
}
```

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(78, 144, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 144, 118) }
```

Border

The CSS property to change the border of an element to XYZ 16.3852, 22.8742, 20.6911 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(78, 144, 118) }
```


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

```
.border{ border-color:rgb(78, 144, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 144, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 144, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 144, 118);  
box-shadow:4px 4px 4px 4px rgb(78, 144,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3852, 22.8742, 20.6911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 144, 118) }
```

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

```
.background{ background-color: rgb(78, 144,  
118) }
```

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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