

Converting Colors

XYZ(16.2211, 22.1832, 27.3579)

Have a look what the booklet for
XYZ(16.2211, 22.1832, 27.3579)
contains.

XYZ(16.2471, 22.2051, 27.4745)	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(16.2471, 22.2051,
27.4745)**

Conversions

Conversions Part 1

Format	Color
Hex	3E8E8A
RGB	62, 142, 138
RGB Percent	24%, 56%, 54%
CMY	0.7568, 0.4431, 0.4588
CMYK	0.56, 0.00, 0.03, 0.44
HSL	177°, 39%, 40%
HSV	177°, 56%, 56%
XYZ	16.2471, 22.2051, 27.4745
YIQ	117.6240, -46.3960, -18.2040

Conversions

Conversions Part 2

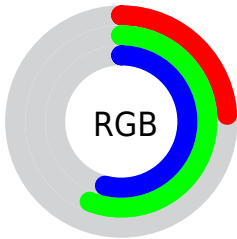
Format	Color
RYB	62, 103, 142
Decimal	4099722
CIELab	54.24, -25.28, -5.27
CIELCh	54, 25.828, 191.778
Yxy	22.2051, 0.2464, 0.3368
Android (android.graphics.Color)	4282289802 (0xFF3E8E8A)
YUV	117.6240, 10.0454, -48.7822
Hunter-Lab	47.1223, -20.9197, -1.5832

Details

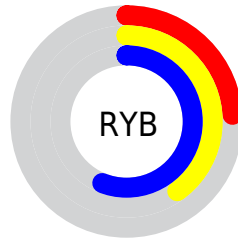
The XYZ color **16.2471, 22.2051, 27.4745** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.8621, 9.5901, 6.2756**, and the grayscale version is **17.0831, 17.9728, 19.5724**.

A 20% lighter version of the original color is **36.4800, 47.0234, 56.4439**, and **5.5025, 8.1868, 10.5227** is the 20% darker color. If you saturate the color by 10%, you get **15.4193, 21.7848, 27.1687**, and if you desaturate by 10%, it is **17.3093, 22.7472, 27.7940**.

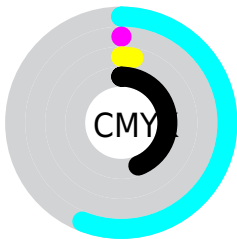
Distribution



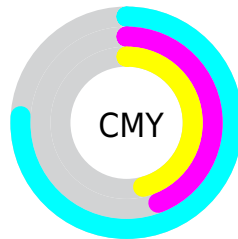
- Red (24%)
- Green (56%)
- Blue (54%)



- Red (24%)
- Yellow (40%)
- Blue (56%)



- Cyan (56%)
- Magenta (0%)
- Yellow (3%)
- Black (44%)



- Cyan (76%)
- Magenta (44%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2471, 22.2051, 27.4745 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 16.2471, 22.2051, 27.4745 by changing the saturation by 10% instead.

■ 16.2471, 22.2051,
27.4745

■ 16.2471, 22.2051,
27.4745

224.0373,
263.6155, 303.7798

■ 9.7911, 14.0077,
17.6943

■ 36.5806, 47.0847,
56.6573

■ 5.3219, 8.1260,
10.5636

■ 51.1889, 64.5358,
76.8970

■ 2.4740, 4.1757,
5.6637

■ 69.2454, 85.8401,
101.4604

■ 0.8822, 1.7723,
2.5763

■ 91.1153, 111.3822,
130.7658

■ 0.0000, 0.4698,
0.8802

■ 117.1641,
141.5463, 165.2319

■ 0.0000, 0.0000,
0.0000

147.7571,

176.7170, 205.2773

183.2597,
217.2786, 251.3204

■ 16.2471, 22.2051,
27.4745

■ 16.2471, 22.2051,
27.4745

■ 15.4193, 21.7848,
27.1687

■ 17.3093, 22.7472,
27.7940

■ 14.8054, 21.4742,
26.8741

■ 18.6204, 23.4171,
28.1265

■ 14.3846, 21.2631,
26.5904

■ 20.1961, 24.2234,
28.4731

■ 14.1229, 21.1340,
26.3158

■ 22.0504, 25.1732,
28.8345

■ 14.0395, 21.0931,
26.2162

■ 24.1960, 26.2732,
29.2113

■ 26.6451, 27.5297,
29.6040

■ 29.4091, 28.9483,
30.0133

■ 32.4988, 30.5349,
30.4396

■ 35.9244, 32.2946,
30.8834

Harmonies

Analogous

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



16.3794, 22.2051, 19.6560



16.2471, 22.2051, 27.4745



17.3283, 22.2051, 36.0171

Triad

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



16.2471, 22.2051, 27.4745



24.9122, 22.2051, 37.6447



22.8397, 22.2051, 12.2601

Complementary

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



16.2471, 22.2051, 27.4745



13.8621, 9.5901, 6.2756

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.



25.3947, 22.2051, 15.2667



16.2471, 22.2051, 27.4745



26.6625, 22.2051, 29.3443

Square

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



16.2471, 22.2051, 27.4745



22.2271, 22.2051, 42.7018



26.8466, 22.2051, 21.1556



20.0219, 22.2051, 11.9761

Rectangle

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



16.2471, 22.2051, 27.4745



18.6528, 22.2051, 40.5288



26.8466, 22.2051, 21.1556



23.7638, 22.2051, 12.9486

Sweetspot

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



16.2478, 22.2060, 27.4750



38.5267, 44.2069, 50.7793



12.8809, 20.8998, 7.9133



8.4742, 9.8067, 11.3170



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.



16.2478, 22.2060, 27.4750



26.8178, 38.2258, 47.7460



12.1624, 13.5631, 27.5690



5.5488, 6.1117, 6.8557



12.6070, 18.9387, 23.5482



0.1228, 0.1820, 0.2373

Inverse Universe

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



13.8621, 9.5901, 6.2756



22.1767, 13.6251, 6.4615



16.2696, 14.5874, 6.5162



5.4191, 5.4282, 5.7052



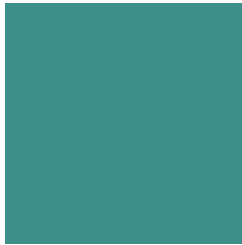
10.0529, 5.1782, 0.6637



0.0979, 0.0502, 0.0155

Previews

White Background



This preview shows how the XYZ color 16.2471, 22.2051, 27.4745 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 16.2471, 22.2051, 27.4745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

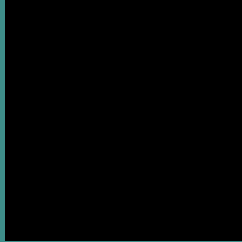
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.2471, 22.2051, 27.4745

Background



This preview shows how black text looks on a background with the XYZ color 16.2471, 22.2051, 27.4745.



This preview shows how white text looks on a background with the XYZ color 16.2471, 22.2051,

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

16.2471, 22.2051, 27.4745

Protanopia

21.1085, 21.8753, 24.2289

Deuteranopia

22.3694, 21.8545, 28.6305



Tritanopia

17.2787, 22.1838, 32.6494

Trichromacy



Original Color

16.2471, 22.2051, 27.4745

Protanomaly

18.5650, 21.5327, 25.3680

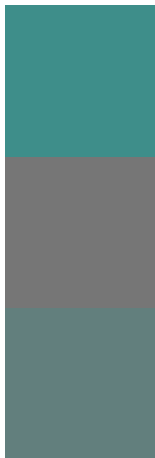
Deuteranomaly

19.2307, 21.4069, 28.3177

Tritanomaly

16.8932, 22.2489, 30.5982

Monochromacy



Original Color

16.2471, 22.2051, 27.4745

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.3280, 19.2561, 22.2583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2471, 22.2051, 27.4745 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(62, 142, 138)` looks like.

```
.text, #text, p{  
    color:rgb(62, 142, 138)  
}
```

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(62, 142, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 142, 138) }
```

Border

The CSS property to change the border of an element to XYZ 16.2471, 22.2051, 27.4745 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(62, 142, 138) }
```


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

```
.border{ border-color:rgb(62, 142, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 142, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 142, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 142, 138);  
box-shadow:4px 4px 4px 4px rgb(62, 142,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2471, 22.2051, 27.4745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 142, 138) }
```

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

```
.background{ background-color: rgb(62, 142,  
138) }
```

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