

Converting Colors

XYZ(17.5323, 22.8496, 28.9870)

Have a look what the booklet for
XYZ(17.5323, 22.8496, 28.9870)
contains.

XYZ(17.5360, 22.8355, 29.0746)	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(17.5360, 22.8355,
29.0746)**

Conversions

Conversions Part 1

Format	Color
Hex	4C8E8E
RGB	76, 142, 142
RGB Percent	30%, 56%, 56%
CMY	0.7019, 0.4431, 0.4431
CMYK	0.46, 0.00, 0.00, 0.44
HSL	180°, 30%, 43%
HSV	180°, 46%, 56%
XYZ	17.5360, 22.8355, 29.0746
YIQ	122.2660, -39.3360, -13.9920

Conversions

Conversions Part 2

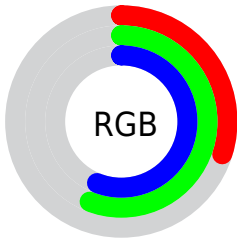
Format	Color
R_{YB}	76, 109, 142
Decimal	5017230
CIE _{Lab}	54.90, -20.97, -6.54
CIE _{LCh}	55, 21.968, 197.331
Yxy	22.8355, 0.2525, 0.3288
Android (android.graphics.Color)	4283207310 (0xFF4C8E8E)
YUV	122.2660, 9.7289, -40.5753
Hunter-Lab	47.7865, -18.1230, -2.6231

Details

The XYZ color **17.5360, 22.8355, 29.0746** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.0451, 11.4422, 8.2540**, and the grayscale version is **18.5646, 19.5314, 21.2697**.

A 20% lighter version of the original color is **38.9097, 48.2112, 59.4795**, and **5.9040, 8.3740, 11.4304** is the 20% darker color. If you saturate the color by 10%, you get **16.5302, 22.3175, 29.0279**, and if you desaturate by 10%, it is **18.7922, 23.4836, 29.1340**.

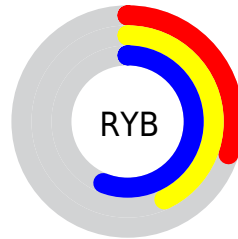
Distribution



Red (30%)

Green (56%)

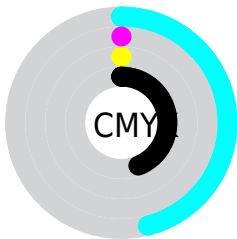
Blue (56%)



Red (30%)

Yellow (43%)

Blue (56%)

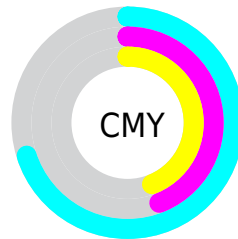


Cyan (46%)

Magenta (0%)

Yellow (0%)

Black (44%)



Cyan (70%)

Magenta (44%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5360, 22.8355, 29.0746 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 17.5360, 22.8355, 29.0746 by changing the saturation by 10% instead.

■ 17.5360, 22.8355,
29.0746

■ 17.5360, 22.8355,
29.0746

231.3391,
266.8790, 311.6387

■ 10.7150, 14.4721,
18.8912

■ 38.7814, 48.1231,
59.2392

■ 5.9414, 8.4497,
11.4157

■ 53.9365, 65.8160,
80.0575

■ 2.8498, 4.3840,
6.2295

■ 72.6004, 87.3876,
105.2578

■ 1.0748, 1.8906,
2.9141

■ 95.1385, 113.2223,
135.2586

■ 0.0039, 0.5427,
1.0509

■ 121.9160,
143.7043, 170.4786

■ 0.0000, 0.0000,
0.0000

153.2984,

179.2182, 211.3363

189.6509,
220.1483, 258.2501

■ 17.5360, 22.8355,
29.0746

■ 17.5360, 22.8355,
29.0746

■ 16.5302, 22.3175,
29.0279

■ 18.7922, 23.4836,
29.1340

■ 15.7561, 21.9185,
28.9916

■ 20.3119, 24.2671,
29.2053

■ 15.1960, 21.6297,
28.9652

■ 22.1095, 25.1938,
29.2895

■ 14.8283, 21.4402,
28.9479

■ 24.1980, 26.2704,
29.3874

■ 14.6184, 21.3320,
28.9379

■ 26.5895, 27.5033,
29.4994

■ 14.5558, 21.2997,
28.9349

■ 29.2953, 28.8982,
29.6262

■ 32.3264, 30.4607,
29.7682

■ 35.6929, 32.1962,
29.9259

■ 39.4047, 34.1098,
30.0997

Harmonies

Analogous

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



17.4507, 22.8355, 22.0384



17.5360, 22.8355, 29.0746



18.6842, 22.8355, 36.0798

Triad

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



17.5360, 22.8355, 29.0746



25.3310, 22.8355, 35.1007



22.7473, 22.8355, 13.9447

Complementary

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



17.5360, 22.8355, 29.0746



15.0451, 11.4422, 8.2540

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.



25.0338, 22.8355, 16.2528



17.5360, 22.8355, 29.0746



26.5988, 22.8355, 27.9214

Square

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



17.5360, 22.8355, 29.0746



23.1288, 22.8355, 39.9808



26.4861, 22.8355, 21.0809



20.3398, 22.8355, 14.1375

Rectangle

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



17.5360, 22.8355, 29.0746



19.9500, 22.8355, 39.3975



26.4861, 22.8355, 21.0809



23.5588, 22.8355, 14.4326

Sweetspot

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



17.5367, 22.8364, 29.0751



39.7474, 44.8175, 51.6833



14.0469, 21.4507, 10.2381



8.7288, 9.9334, 11.5366



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.



17.5367, 22.8364, 29.0751



29.0420, 39.2987, 51.1813



13.4505, 14.6638, 27.7136



5.5603, 6.1163, 6.9162



13.0684, 19.1232, 25.9783



0.1249, 0.1828, 0.2484

Inverse Universe

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



15.0451, 11.4422, 8.2540



24.0751, 16.5847, 9.6749



17.8127, 16.9775, 9.1762



5.4089, 5.4241, 5.6513



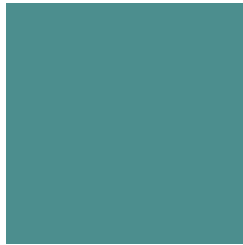
10.0158, 5.1634, 0.4688



0.0958, 0.0494, 0.0045

Previews

White Background



This preview shows how the XYZ color 17.5360, 22.8355, 29.0746 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 17.5360, 22.8355, 29.0746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

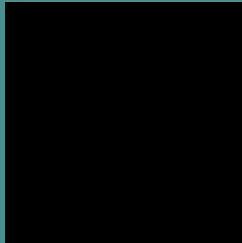
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.5360, 22.8355, 29.0746

Background



This preview shows how black text looks on a background with the XYZ color 17.5360, 22.8355, 29.0746.

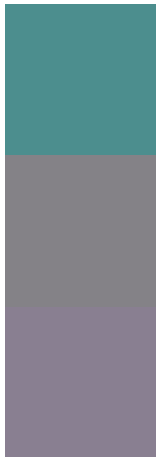


This preview shows how white text looks on a background with the XYZ color 17.5360, 22.8355,

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

17.5360, 22.8355, 29.0746

Protanopia

21.8715, 22.6201, 26.1350

Deuteranopia

23.0167, 22.5414, 29.9259



Tritanopia

18.2700, 22.6854, 33.1216

Trichromacy



Original Color

17.5360, 22.8355, 29.0746

Protanomaly

19.7946, 22.3299, 27.3116

Deuteranomaly

20.3555, 22.1610, 29.5902

Tritanomaly

18.0121, 22.8076, 31.4699

Monochromacy



Original Color

17.5360, 22.8355, 29.0746

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.6384, 20.2888, 23.7554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5360, 22.8355, 29.0746 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(76, 142, 142)` looks like.

```
.text, #text, p{  
    color:rgb(76, 142, 142)  
}
```

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(76, 142, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 142, 142) }
```

Border

The CSS property to change the border of an element to XYZ 17.5360, 22.8355, 29.0746 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(76, 142, 142) }
```


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

```
.border{ border-color:rgb(76, 142, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 142, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 142, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 142, 142);  
box-shadow:4px 4px 4px 4px rgb(76, 142,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5360, 22.8355, 29.0746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 142, 142) }
```

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

```
.background{ background-color: rgb(76, 142,  
142) }
```

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