

Converting Colors

XYZ(17.7056, 23.8145, 29.2999)

Have a look what the booklet for
XYZ(17.7056, 23.8145, 29.2999)
contains.

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Color

**XYZ(17.6872, 23.8129,
29.2553)**

Conversions

Conversions Part 1

Format	Color
Hex	46928E
RGB	70, 146, 142
RGB Percent	27%, 57%, 56%
CMY	0.7255, 0.4274, 0.4431
CMYK	0.52, 0.00, 0.03, 0.43
HSL	177°, 35%, 42%
HSV	177°, 52%, 57%
XYZ	17.6872, 23.8129, 29.2553
YIQ	122.8200, -44.0120, -17.3560

Conversions

Conversions Part 2

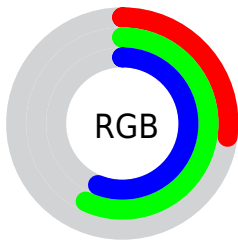
Format	Color
RYB	70, 109, 146
Decimal	4625038
CIELab	55.90, -24.45, -5.09
CIELCh	56, 24.979, 191.759
Yxy	23.8129, 0.2500, 0.3366
Android (android.graphics.Color)	4282815118 (0xFF46928E)
YUV	122.8200, 9.4557, -46.3231
Hunter-Lab	48.7985, -20.6993, -1.3862

Details

The XYZ color **17.6872, 23.8129, 29.2553** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.2811, 10.9865, 7.7947**, and the grayscale version is **18.7484, 19.7247, 21.4802**.

A 20% lighter version of the original color is **39.0755, 49.6540, 59.7492**, and **6.0240, 8.9571, 11.5366** is the 20% darker color. If you saturate the color by 10%, you get **16.7021, 23.3122, 28.9094**, and if you desaturate by 10%, it is **18.9302, 24.4476, 29.6164**.

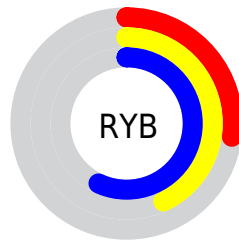
Distribution



Red (27%)

Green (57%)

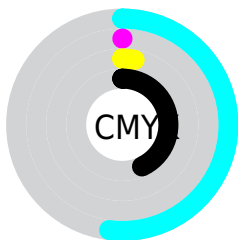
Blue (56%)



Red (27%)

Yellow (43%)

Blue (57%)

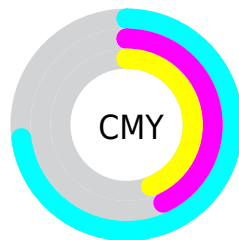


Cyan (52%)

Magenta (0%)

Yellow (3%)

Black (43%)



Cyan (73%)

Magenta (43%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6872, 23.8129, 29.2553 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 17.6872, 23.8129, 29.2553 by changing the saturation by 10% instead.

■ 17.6872, 23.8129,
29.2553

■ 17.6872, 23.8129,
29.2553

232.1818,
271.8732, 312.5162

■ 10.8240, 15.1949,
19.0268

■ 39.0379, 49.7247,
59.5295

■ 6.0150, 8.9563,
11.5126

■ 54.2560, 67.7873,
80.4122

■ 2.8950, 4.7127,
6.2943

■ 72.9899, 89.7669,
105.6835

■ 1.0985, 2.0797,
2.9532

■ 95.6048, 116.0478,
135.7618

■ 0.0238, 0.6532,
1.0708

■ 122.4660,
147.0145, 171.0657

■ 0.0000, 0.0000,
0.0000

153.9391,

183.0514, 212.0137

190.3892,
224.5428, 259.0243

■ 17.6872, 23.8129,
29.2553

■ 17.6872, 23.8129,
29.2553

■ 16.7021, 23.3122,
28.9094

■ 18.9302, 24.4476,
29.6164

■ 15.9538, 22.9331,
28.5762

■ 20.4461, 25.2223,
29.9918

■ 15.4216, 22.6653,
28.2551

■ 22.2509, 26.1459,
30.3828

■ 15.0802, 22.4958,
27.9451

■ 24.3591, 27.2259,
30.7901

■ 14.8896, 22.4027,
27.7039

■ 26.7841, 28.4692,
31.2143

■ 29.5385, 29.8822,
31.6560

■ 32.6342, 31.4711,
32.1158

■ 36.0826, 33.2418,
32.5942

■ 39.8944, 35.1998,
33.0918

Harmonies

Analogous

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



17.8234, 23.8129, 21.3250



17.6872, 23.8129, 29.2553



18.7915, 23.8129, 37.8302

Triad

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



17.6872, 23.8129, 29.2553



26.4774, 23.8129, 39.4654



24.3901, 23.8129, 13.7093

Complementary

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



17.6872, 23.8129, 29.2553



15.2811, 10.9865, 7.7947

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.



26.9663, 23.8129, 16.8278



17.6872, 23.8129, 29.2553



28.2392, 23.8129, 31.1503

Square

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



17.6872, 23.8129, 29.2553



23.7672, 23.8129, 44.4990



28.4253, 23.8129, 22.8634



21.5364, 23.8129, 13.4116

Rectangle

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



17.6872, 23.8129, 29.2553



20.1413, 23.8129, 42.3322



28.4253, 23.8129, 22.8634



25.3231, 23.8129, 14.4264

Sweetspot

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



17.6879, 23.8138, 29.2559



41.3153, 47.1796, 54.0047



14.2920, 22.4995, 9.3845



9.0420, 10.4192, 11.9850



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.



17.6879, 23.8138, 29.2559



29.2832, 41.0325, 50.9257



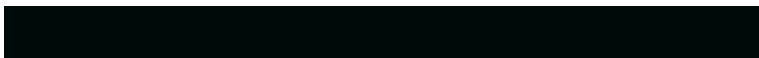
13.6275, 15.2035, 29.4115



5.9511, 6.5570, 7.3532



13.1050, 19.7148, 24.3923



0.1637, 0.2426, 0.3157

Inverse Universe

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



15.2811, 10.9865, 7.7947



24.5807, 15.9254, 8.9610



17.8041, 16.2414, 7.9915



5.8124, 5.8200, 6.1185



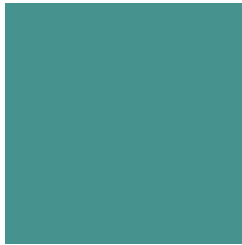
10.4714, 5.3936, 0.6974



0.1306, 0.0670, 0.0215

Previews

White Background



This preview shows how the XYZ color 17.6872, 23.8129, 29.2553 looks on a white background.

Color Contrast Check

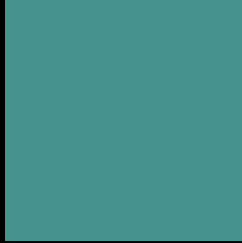
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6872, 23.8129, 29.2553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

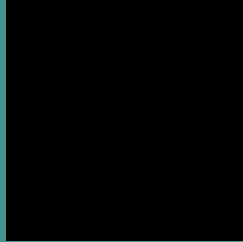
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.6872, 23.8129, 29.2553

Background



This preview shows how black text looks on a background with the XYZ color 17.6872, 23.8129, 29.2553.

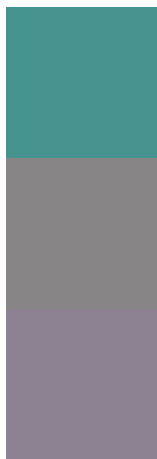


This preview shows how white text looks on a background with the XYZ color 17.6872, 23.8129,

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

17.6872, 23.8129, 29.2553

Protanopia

22.6823, 23.6472, 25.9231

Deuteranopia

23.9862, 23.6160, 30.4883



Tritanopia

18.8757, 23.8427, 35.0597

Trichromacy



Original Color

17.6872, 23.8129, 29.2553

Protanomaly

20.1594, 23.3626, 27.1138

Deuteranomaly

20.9852, 23.2975, 30.1789

Tritanomaly

18.4590, 23.9016, 32.9187

Monochromacy



Original Color

17.6872, 23.8129, 29.2553

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.8545, 20.7874, 24.1904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6872, 23.8129, 29.2553 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(70, 146, 142)` looks like.

```
.text, #text, p{  
    color:rgb(70, 146, 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(70, 146, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 146, 142) }
```

Border

The CSS property to change the border of an element to XYZ 17.6872, 23.8129, 29.2553 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(70, 146, 142) }
```


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

```
.border{ border-color:rgb(70, 146, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 146, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 146, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 146, 142);  
box-shadow:4px 4px 4px 4px rgb(70, 146,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6872, 23.8129, 29.2553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 146, 142) }
```

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

```
.background{ background-color: rgb(70, 146,  
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](#).

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