

Converting Colors

XYZ(14.7036, 17.4325, 22.8398)

Have a look what the booklet for
XYZ(14.7036, 17.4325, 22.8398)
contains.

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Color

**XYZ(14.7863, 17.5038,
23.0213)**

Conversions

Conversions Part 1

Format	Color
Hex	577A80
RGB	87, 122, 128
RGB Percent	34%, 48%, 50%
CMY	0.6588, 0.5216, 0.4980
CMYK	0.32, 0.05, 0.00, 0.50
HSL	189°, 19%, 42%
HSV	189°, 32%, 50%
XYZ	14.7863, 17.5038, 23.0213
YIQ	112.2190, -22.7860, -5.5540

Conversions

Conversions Part 2

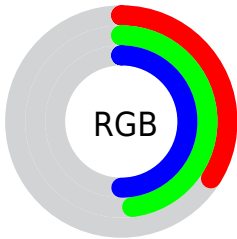
Format	Color
R_{YB}	87, 106, 128
Decimal	5732992
CIE _{Lab}	48.89, -10.78, -7.27
CIE _{LCh}	49, 13.003, 213.998
Yxy	17.5038, 0.2673, 0.3165
Android (android.graphics.Color)	4283923072 (0xFF577A80)
YUV	112.2190, 7.7800, -22.1171
Hunter-Lab	41.8375, -10.1299, -3.3383

Details

The XYZ color **14.7863, 17.5038, 23.0213** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.5370, 13.1062, 10.7808**, and the grayscale version is **15.4485, 16.2530, 17.6995**.

A 20% lighter version of the original color is **33.9578, 39.0116, 49.4563**, and **4.6305, 5.7609, 8.2651** is the 20% darker color. If you saturate the color by 10%, you get **13.4680, 16.4865, 22.8947**, and if you desaturate by 10%, it is **16.3220, 18.6406, 23.1601**.

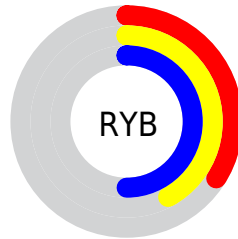
Distribution



Red (34%)

Green (48%)

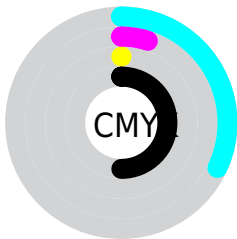
Blue (50%)



Red (34%)

Yellow (42%)

Blue (50%)

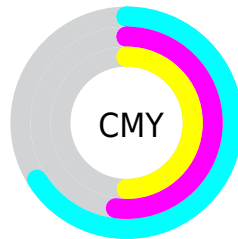


Cyan (32%)

Magenta (5%)

Yellow (0%)

Black (50%)



Cyan (66%)

Magenta (52%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7863, 17.5038, 23.0213 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 14.7863, 17.5038, 23.0213 by changing the saturation by 10% instead.

■ 14.7863, 17.5038,
23.0213

■ 14.7863, 17.5038,
23.0213

215.4832,
238.0591, 280.9598

■ 8.7549, 10.5943,
14.4038

■ 34.0526, 39.1900,
49.3519

■ 4.6375, 5.7948,
8.2601

■ 48.0182, 54.7355,
67.9021

■ 2.0687, 2.7207,
4.1717

■ 65.3592, 73.9284,
90.6003

■ 0.6721, 0.9877,
1.7200

■ 86.4410, 97.1533,
117.8650

■ 0.0000, 0.0000,
0.3744

■ 111.6289,
124.7944, 150.1148

■ 0.0000, 0.0000,
0.0000

141.2884,

157.2361, 187.7682

175.7847,
194.8629, 231.2437

■ 14.7863, 17.5038,
23.0213

■ 14.7863, 17.5038,
23.0213

■ 13.4680, 16.4865,
22.8947

■ 16.3220, 18.6406,
23.1601

■ 12.3543, 15.5809,
22.7786

■ 18.0840, 19.9002,
23.3103

■ 11.4336, 14.7811,
22.6728

■ 20.0824, 21.2884,
23.4730

■ 10.6921, 14.0803,
22.5766

■ 22.3265, 22.8099,
23.6484

■ 10.1146, 13.4704,
22.4893

■ 24.8249, 24.4692,
23.8370

■ 9.6829, 12.9422,
22.4101

■ 27.5857, 26.2706,
24.0392

■ 9.3941, 12.5542,
22.3504

■ 30.6170, 28.2182,
24.2553

■ 33.9261, 30.3158,
24.4858

■ 37.5203, 32.5673,
24.7309

Harmonies

Analogous

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



14.4278, 17.5038, 19.5258



14.7863, 17.5038, 23.0213



15.6402, 17.5038, 25.6771

Triad

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



14.7863, 17.5038, 23.0213



18.8107, 17.5038, 22.1230



16.4756, 17.5038, 13.1683

Complementary

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



14.7863, 17.5038, 23.0213



14.5370, 13.1062, 10.7808

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.



17.6750, 17.5038, 13.6881



14.7863, 17.5038, 23.0213



19.0606, 17.5038, 18.5991

Square

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



14.7863, 17.5038, 23.0213



17.9683, 17.5038, 25.1160



18.6357, 17.5038, 15.5790



15.3728, 17.5038, 14.0631

Rectangle

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



14.7863, 17.5038, 23.0213



16.3954, 17.5038, 26.4610



18.6357, 17.5038, 15.5790



16.8806, 17.5038, 13.1842

Sweetspot

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



14.7868, 17.5045, 23.0217



32.4414, 35.4600, 41.0909



13.6023, 18.2458, 13.0378



7.5024, 8.2369, 9.6128



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



14.7868, 17.5045, 23.0217



24.4050, 29.5705, 40.3777



12.5818, 13.0945, 22.2867



4.3945, 4.7831, 5.5049



9.3156, 12.4497, 22.1620



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.8236, 12.8112, 20.0519



26.5466, 20.1523, 34.1810



16.5241, 17.0805, 11.4432



4.4720, 4.4019, 5.2899



11.5791, 5.6513, 14.9050



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 14.7863, 17.5038, 23.0213 looks on a white 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

Black Background



This preview shows how the XYZ color 14.7863, 17.5038, 23.0213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

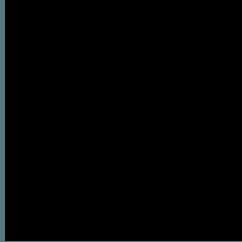
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.7863, 17.5038, 23.0213

Background



This preview shows how black text looks on a background with the XYZ color 14.7863, 17.5038, 23.0213.

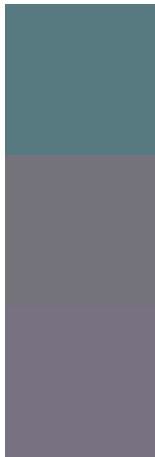


This preview shows how white text looks on a background with the XYZ color 14.7863, 17.5038,

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

14.7863, 17.5038, 23.0213

Protanopia

16.9713, 17.4297, 21.5386

Deuteranopia

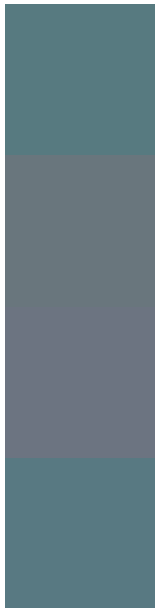
17.6801, 17.4150, 23.5487



Tritanopia

14.9586, 17.3881, 24.0406

Trichromacy



Original Color

14.7863, 17.5038, 23.0213

Protanomaly

16.0058, 17.4408, 21.9248

Deuteranomaly

16.3922, 17.2639, 23.2372

Tritanomaly

14.8911, 17.3612, 23.6853

Monochromacy



Original Color

14.7863, 17.5038, 23.0213

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.1089, 16.6824, 19.5632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7863, 17.5038, 23.0213 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(87, 122, 128)` looks like.

```
.text, #text, p{  
    color:rgb(87, 122, 128)  
}
```

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(87, 122, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 122, 128) }
```

Border

The CSS property to change the border of an element to XYZ 14.7863, 17.5038, 23.0213 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(87, 122, 128) }
```


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

```
.border{ border-color:rgb(87, 122, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 122, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 122, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 122, 128);  
box-shadow:4px 4px 4px 4px rgb(87, 122,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7863, 17.5038, 23.0213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 122, 128) }
```

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

```
.background{ background-color: rgb(87, 122,  
128) }
```

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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