

Converting Colors

XYZ(17.5080, 20.8367, 23.9903)

Have a look what the booklet for
XYZ(17.5080, 20.8367, 23.9903)
contains.

XYZ(17.4692, 20.7968, 23.8623)	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(17.4692, 20.7968,
23.8623)**

Conversions

Conversions Part 1

Format	Color
Hex	648481
RGB	100, 132, 129
RGB Percent	39%, 52%, 51%
CMY	0.6078, 0.4823, 0.4941
CMYK	0.24, 0.00, 0.02, 0.48
HSL	174°, 14%, 45%
HSV	174°, 24%, 52%
XYZ	17.4692, 20.7968, 23.8623
YIQ	122.0900, -18.1090, -7.7170

Conversions

Conversions Part 2

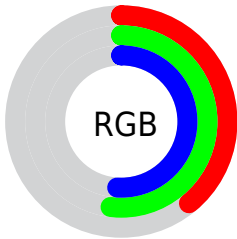
Format	Color
R_{YB}	100, 117, 132
Decimal	6587521
CIE _{Lab}	52.73, -11.95, -2.09
CIE _{LCh}	53, 12.134, 189.907
Yxy	20.7968, 0.2812, 0.3347
Android (android.graphics.Color)	4284777601 (0xFF648481)
YUV	122.0900, 3.4066, -19.3729
Hunter-Lab	45.6035, -11.4287, 0.8986

Details

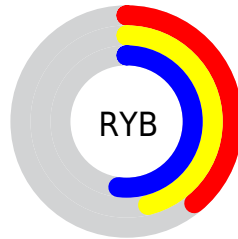
The XYZ color **17.4692, 20.7968, 23.8623** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.5218, 14.9997, 14.8572**, and the grayscale version is **18.5219, 19.4865, 21.2208**.

A 20% lighter version of the original color is **38.7414, 44.7507, 50.8518**, and **5.8814, 7.3438, 8.6969** is the 20% darker color. If you saturate the color by 10%, you get **16.0442, 20.0722, 23.3690**, and if you desaturate by 10%, it is **19.1330, 21.6455, 24.3729**.

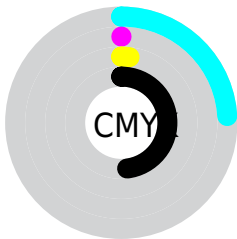
Distribution



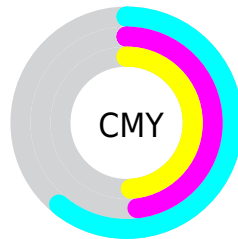
- Red (39%)
- Green (52%)
- Blue (51%)



- Red (39%)
- Yellow (46%)
- Blue (52%)



- Cyan (24%)
- Magenta (0%)
- Yellow (2%)
- Black (48%)



- Cyan (61%)
- Magenta (48%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4692, 20.7968, 23.8623 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 17.4692, 20.7968, 23.8623 by changing the saturation by 10% instead.

■ 17.4692, 20.7968,
23.8623

■ 17.4692, 20.7968,
23.8623

230.9658,
256.1966, 285.3877

■ 10.6670, 12.9756,
15.0203

■ 38.6680, 44.7491,
50.7464

■ 5.9090, 7.4117,
8.6868

■ 53.7952, 61.6490,
69.6256

■ 2.8300, 3.7209,
4.4435

■ 72.4281, 82.3438,
92.6875

■ 1.0645, 1.5187,
1.8716

■ 94.9321, 107.2180,
120.3507

■ 0.0000, 0.3018,
0.4746

121.6725,
136.6560, 153.0338

■ 0.0000, 0.0000,
0.0000

153.0147,

171.0422, 191.1553

189.3240,
210.7609, 235.1338

■ 17.4692, 20.7968,
23.8623

■ 17.4692, 20.7968,
23.8623

■ 16.0442, 20.0722,
23.3690

■ 19.1330, 21.6455,
24.3729

■ 14.8449, 19.4632,
22.8909

■ 21.0443, 22.6211,
24.8999

■ 13.8594, 18.9644,
22.4281

■ 23.2139, 23.7298,
25.4442

■ 13.0743, 18.5688,
21.9798

■ 25.6511, 24.9763,
26.0063

■ 12.4746, 18.2686,
21.5452

■ 28.3648, 26.3652,
26.5866

■ 12.0430, 18.0550,
21.1237

■ 31.3635, 27.9010,
27.1855

■ 11.7572, 17.9165,
20.7141

■ 34.6555, 29.5878,
27.8035

■ 11.6188, 17.8501,
20.4818

■ 38.2486, 31.4297,
28.4409

■ 42.1503, 33.4306,
29.0981

Harmonies

Analogous

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



17.5722, 20.7968, 20.3374



17.4692, 20.7968, 23.8623



17.9614, 20.7968, 27.4067

Triad

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



17.4692, 20.7968, 23.8623



21.3664, 20.7968, 28.4105



20.6130, 20.7968, 16.7192

Complementary

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



17.4692, 20.7968, 23.8623



16.5218, 14.9997, 14.8572

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.



21.6891, 20.7968, 18.4680



17.4692, 20.7968, 23.8623



22.1368, 20.7968, 25.1191

Square

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



17.4692, 20.7968, 23.8623



20.1876, 20.7968, 30.2115



22.2574, 20.7968, 21.4682



19.3517, 20.7968, 16.4595

Rectangle

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



17.4692, 20.7968, 23.8623



18.5737, 20.7968, 29.2121



22.2574, 20.7968, 21.4682



21.0098, 20.7968, 17.1428

Sweetspot

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



17.4698, 20.7976, 23.8628



36.0410, 39.3209, 43.5857



16.1686, 20.3189, 15.1267



8.3540, 9.1358, 10.1376



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



17.4698, 20.7976, 23.8628



29.3639, 35.9167, 41.5588



16.0416, 17.6172, 24.3857



4.7833, 5.2716, 5.8700



11.2505, 17.2830, 19.8362



0.0403, 0.0604, 0.0759

Inverse Universe

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



16.5218, 14.9997, 14.8572



27.3990, 23.8948, 22.8902



17.6995, 17.5920, 14.5196



4.6890, 4.6953, 4.9747



9.2812, 4.7768, 0.7871



0.0332, 0.0170, 0.0084

Previews

White Background



This preview shows how the XYZ color 17.4692, 20.7968, 23.8623 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 17.4692, 20.7968, 23.8623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

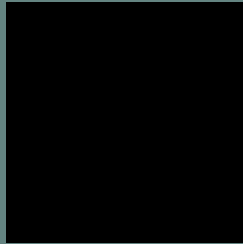
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.4692, 20.7968, 23.8623

Background



This preview shows how black text looks on a background with the XYZ color 17.4692, 20.7968, 23.8623.



This preview shows how white text looks on a background with the XYZ color 17.4692, 20.7968,

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

17.4692, 20.7968, 23.8623

Protanopia

19.9374, 20.7371, 22.3539

Deuteranopia

21.0479, 20.7087, 24.3606



Tritanopia

18.2698, 20.7131, 28.2344

Trichromacy



Original Color

17.4692, 20.7968, 23.8623

Protanomaly

18.9563, 20.7963, 22.7536

Deuteranomaly

19.5162, 20.6710, 24.0804

Tritanomaly

17.9985, 20.8054, 26.7341

Monochromacy



Original Color

17.4692, 20.7968, 23.8623

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.1020, 19.9798, 22.3044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4692, 20.7968, 23.8623 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(100, 132, 129) looks like.

```
.text, #text, p{  
    color:rgb(100, 132, 129)  
}
```

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(100, 132, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 132, 129) }
```

Border

The CSS property to change the border of an element to XYZ 17.4692, 20.7968, 23.8623 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(100, 132, 129) }
```


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

```
.border{ border-color:rgb(100, 132, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 132, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 132, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 132, 129);  
box-shadow:4px 4px 4px 4px rgb(100, 132,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4692, 20.7968, 23.8623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 132, 129) }
```

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

```
.background{ background-color: rgb(100,  
132, 129) }
```

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