

Converting Colors

XYZ(17.5815, 21.6475, 23.4098)

Have a look what the booklet for
XYZ(17.5815, 21.6475, 23.4098)
contains.

XYZ(17.5647, 21.6820, 23.3380)	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(17.5647, 21.6820,
23.3380)**

Conversions

Conversions Part 1

Format	Color
Hex	61887F
RGB	97, 136, 127
RGB Percent	38%, 53%, 50%
CMY	0.6196, 0.4667, 0.5020
CMYK	0.29, 0.00, 0.07, 0.47
HSL	166°, 17%, 46%
HSV	166°, 29%, 53%
XYZ	17.5647, 21.6820, 23.3380
YIQ	123.3130, -20.3550, -11.0670

Conversions

Conversions Part 2

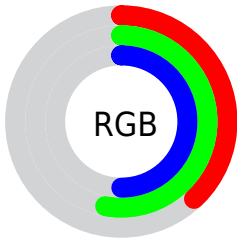
Format	Color
R_{YB}	97, 119, 136
Decimal	6391935
CIE _{Lab}	53.69, -15.58, 0.46
CIE _{LCh}	54, 15.588, 178.310
Yxy	21.6820, 0.2807, 0.3464
Android (android.graphics.Color)	4284582015 (0xFF61887F)
YUV	123.3130, 1.8177, -23.0765
Hunter-Lab	46.5639, -14.1537, 2.8784

Details

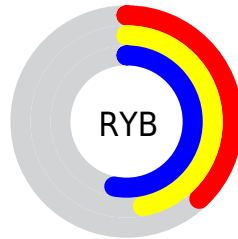
The XYZ color **17.5647, 21.6820, 23.3380** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.0303, 14.8248, 15.6004**, and the grayscale version is **18.9296, 19.9154, 21.6879**.

A 20% lighter version of the original color is **38.8302, 46.0800, 50.0278**, and **5.9696, 7.8586, 8.4100** is the 20% darker color. If you saturate the color by 10%, you get **16.0367, 20.9181, 22.2155**, and if you desaturate by 10%, it is **19.3488, 22.5783, 24.5067**.

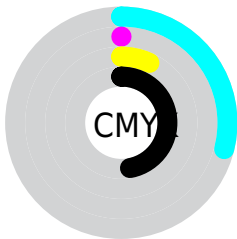
Distribution



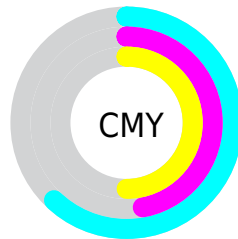
- Red (38%)
- Green (53%)
- Blue (50%)



- Red (38%)
- Yellow (47%)
- Blue (53%)



- Cyan (29%)
- Magenta (0%)
- Yellow (7%)
- Black (47%)



- Cyan (62%)
- Magenta (47%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5647, 21.6820, 23.3380 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 17.5647, 21.6820, 23.3380 by changing the saturation by 10% instead.

■ 17.5647, 21.6820,
23.3380

■ 17.5647, 21.6820,
23.3380

231.4992,
260.8811, 282.6343

■ 10.7357, 13.6234,
14.6356

■ 38.8301, 46.2198,
49.8779

■ 5.9554, 7.8592,
8.4203

■ 53.9972, 63.4679,
68.5526

■ 2.8584, 4.0050,
4.2734

■ 72.6744, 84.5479,
91.3884

■ 1.0793, 1.6764,
1.7765

■ 95.2271, 109.8443,
118.8040

■ 0.0077, 0.4083,
0.4124

122.0205,
139.7414, 151.2178

■ 0.0000, 0.0000,
0.0000

153.4201,

174.6236, 189.0485

189.7913,
214.8754, 232.7144

■ 17.5647, 21.6820,
23.3380

■ 17.5647, 21.6820,
23.3380

■ 16.0367, 20.9181,
22.2155

■ 19.3488, 22.5783,
24.5067

■ 14.7502, 20.2775,
21.1368

■ 21.3989, 23.6104,
25.7210

■ 13.6920, 19.7538,
20.1015

■ 23.7268, 24.7850,
26.9821

■ 12.8468, 19.3391,
19.1085

■ 26.3429, 26.1074,
28.2908

■ 12.1974, 19.0247,
18.1568

■ 29.2571, 27.5827,
29.6480

■ 11.7238, 18.8003,
17.2450

■ 32.4788, 29.2158,
31.0543

■ 11.3783, 18.6412,
16.3707

■ 36.0171, 31.0112,
32.5103

■ 11.3345, 18.6211,
16.2574

■ 39.8804, 32.9735,
34.0169

■ 44.0772, 35.1069,
35.5746

Harmonies

Analogous

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



17.9970, 21.6820, 19.1027



17.5647, 21.6820, 23.3380



17.9106, 21.6820, 28.2390

Triad

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



17.5647, 21.6820, 23.3380



22.1673, 21.6820, 32.6564



22.3398, 21.6820, 16.6211

Complementary

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



17.5647, 21.6820, 23.3380



17.0303, 14.8248, 15.6004

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.



23.5636, 21.6820, 19.5132



17.5647, 21.6820, 23.3380



23.4603, 21.6820, 28.7713

Square

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



17.5647, 21.6820, 23.3380



20.5136, 21.6820, 34.0347



23.9842, 21.6820, 23.8801



20.7029, 21.6820, 15.5633

Rectangle

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



17.5647, 21.6820, 23.3380



18.5471, 21.6820, 31.1555



23.9842, 21.6820, 23.8801



22.8164, 21.6820, 17.3900

Sweetspot

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



17.5653, 21.6829, 23.3385



37.5104, 41.5064, 45.2130



16.9183, 21.5426, 14.5761



8.5734, 9.5552, 10.4059



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



17.5653, 21.6829, 23.3385



29.2692, 37.3665, 39.9188



16.7842, 19.1393, 26.1032



5.1243, 5.6692, 6.1755



10.7309, 17.6250, 15.4056



0.0768, 0.1193, 0.1316

Inverse Universe

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



17.0303, 14.8248, 15.6004



28.1781, 23.3543, 24.1187



17.6112, 16.6970, 13.6043



5.0771, 5.0663, 5.4945



9.8520, 5.0509, 1.7248



0.0703, 0.0355, 0.0369

Previews

White Background



This preview shows how the XYZ color 17.5647, 21.6820, 23.3380 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 17.5647, 21.6820, 23.3380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

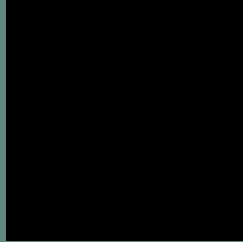
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.5647, 21.6820, 23.3380

Background



This preview shows how black text looks on a background with the XYZ color 17.5647, 21.6820, 23.3380.

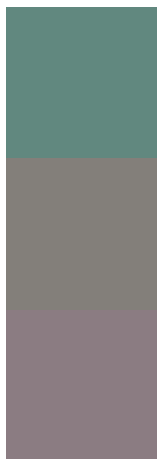


This preview shows how white text looks on a background with the XYZ color 17.5647, 21.6820,

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

17.5647, 21.6820, 23.3380

Protanopia

20.4623, 21.4092, 21.4663

Deuteranopia

21.8844, 21.5160, 24.1187



Tritanopia

18.7884, 21.5554, 29.5559

Trichromacy



Original Color

17.5647, 21.6820, 23.3380

Protanomaly

19.2285, 21.3424, 22.1748

Deuteranomaly

19.9938, 21.3084, 23.8280

Tritanomaly

18.3681, 21.5945, 27.2448

Monochromacy



Original Color

17.5647, 21.6820, 23.3380

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.2967, 20.4710, 22.0557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5647, 21.6820, 23.3380 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(97, 136, 127)` looks like.

```
.text, #text, p{  
    color:rgb(97, 136, 127)  
}
```

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(97, 136, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 136, 127) }
```

Border

The CSS property to change the border of an element to XYZ 17.5647, 21.6820, 23.3380 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(97, 136, 127) }
```


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

```
.border{ border-color:rgb(97, 136, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 136, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 136, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 136, 127);  
box-shadow:4px 4px 4px 4px rgb(97, 136,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5647, 21.6820, 23.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 136, 127) }
```

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

```
.background{ background-color: rgb(97, 136,  
127) }
```

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