

Converting Colors

XYZ(15.6946, 17.7023, 22.8396)

Have a look what the booklet for
XYZ(15.6946, 17.7023, 22.8396)
contains.

XYZ(15.6498, 17.5881, 22.9921)	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(15.6498, 17.5881,
22.9921)**

Conversions

Conversions Part 1

Format	Color
Hex	627880
RGB	98, 120, 128
RGB Percent	38%, 47%, 50%
CMY	0.6157, 0.5294, 0.4980
CMYK	0.23, 0.06, 0.00, 0.50
HSL	196°, 13%, 44%
HSV	196°, 23%, 50%
XYZ	15.6498, 17.5881, 22.9921
YIQ	114.3340, -15.6800, -2.1760

Conversions

Conversions Part 2

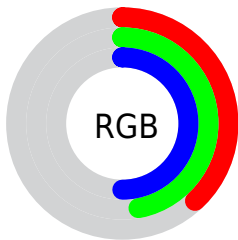
Format	Color
R_{YB}	98, 111, 128
Decimal	6453376
CIE Lab	48.99, -6.09, -7.04
CIE LCh	49, 9.311, 229.131
Yxy	17.5881, 0.2783, 0.3128
Android (android.graphics.Color)	4284643456 (0xFF627880)
YUV	114.3340, 6.7373, -14.3249
Hunter-Lab	41.9382, -6.7821, -3.1483

Details

The XYZ color **15.6498, 17.5881, 22.9921** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.2610, 15.7794, 13.7445**, and the grayscale version is **16.0787, 16.9161, 18.4216**.

A 20% lighter version of the original color is **35.4874, 39.2308, 49.4180**, and **5.0939, 5.9031, 8.2681** is the 20% darker color. If you saturate the color by 10%, you get **13.9746, 16.1264, 22.7985**, and if you desaturate by 10%, it is **17.5616, 19.1944, 23.2017**.

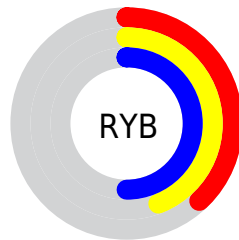
Distribution



Red (38%)

Green (47%)

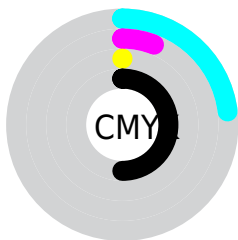
Blue (50%)



Red (38%)

Yellow (44%)

Blue (50%)

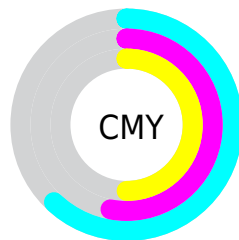


Cyan (23%)

Magenta (6%)

Yellow (0%)

Black (50%)



Cyan (62%)

Magenta (53%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6498, 17.5881, 22.9921 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 15.6498, 17.5881, 22.9921 by changing the saturation by 10% instead.

■ 15.6498, 17.5881,
22.9921

■ 15.6498, 17.5881,
22.9921

220.5775,
238.5390, 280.8050

■ 9.3660, 10.6547,
14.3824

■ 35.5515, 39.3342,
49.3034

■ 5.0397, 5.8351,
8.2453

■ 49.9002, 54.9157,
67.8421

■ 2.3055, 2.7451,
4.1623

■ 67.6677, 74.1486,
90.5275

■ 0.7975, 1.0001,
1.7148

■ 89.2196, 97.4174,
117.7783

■ 0.0000, 0.0000,
0.3709

114.9212,
125.1064, 150.0129

■ 0.0000, 0.0000,
0.0000

145.1378,

157.6001, 187.6498

180.2348,
195.2828, 231.1077

■ 15.6498, 17.5881,
22.9921

■ 15.6498, 17.5881,
22.9921

■ 13.9746, 16.1264,
22.7985

■ 17.5616, 19.1944,
23.2017

■ 12.5237, 14.8014,
22.6193

■ 19.7184, 20.9484,
23.4266

■ 11.2863, 13.6077,
22.4541

■ 22.1299, 22.8560,
23.6677

■ 10.2498, 12.5387,
22.3024

■ 24.8051, 24.9218,
23.9254

■ 9.4001, 11.5867,
22.1634

■ 27.7523, 27.1505,
24.2002

■ 8.7216, 10.7436,
22.0364

■ 30.9796, 29.5464,
24.4926

■ 8.1946, 9.9989,
21.9205

■ 34.4947, 32.1135,
24.8028

■ 7.8876, 9.5411,
21.8483

■ 38.3048, 34.8561,
25.1314

■ 42.4172, 37.7778,
25.4786

Harmonies

Analogous

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



15.1911, 17.5881, 20.7580



15.6498, 17.5881, 22.9921



16.4046, 17.5881, 24.2317

Triad

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



15.6498, 17.5881, 22.9921



18.4080, 17.5881, 20.0648



16.1766, 17.5881, 14.9850

Complementary

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



15.6498, 17.5881, 22.9921



16.2610, 15.7794, 13.7445

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.



17.0333, 17.5881, 14.8344



15.6498, 17.5881, 22.9921



18.3418, 17.5881, 17.6281

Square

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



15.6498, 17.5881, 22.9921



18.0094, 17.5881, 22.4471



17.8316, 17.5881, 15.7625



15.4879, 17.5881, 16.1935

Rectangle

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



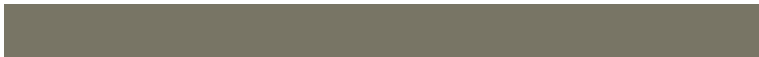
15.6498, 17.5881, 22.9921



16.9829, 17.5881, 24.2611



17.8316, 17.5881, 15.7625



16.4538, 17.5881, 14.8132

Sweetspot

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



15.6503, 17.5888, 22.9925



33.2508, 35.7010, 41.0948



15.3322, 19.0656, 16.3722



7.7447, 8.3259, 9.6172



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.



15.6503, 17.5888, 22.9925



25.9673, 29.5957, 40.3002



14.0364, 14.3610, 22.4545



4.3525, 4.6990, 5.4909



7.8222, 9.4629, 21.6642



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.6604, 14.6812, 19.7257



28.0917, 23.6671, 33.3875



17.8838, 19.0250, 14.2854



4.4507, 4.3935, 5.1781



10.8253, 5.3498, 10.9355



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.6498, 17.5881, 22.9921 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 15.6498, 17.5881, 22.9921 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

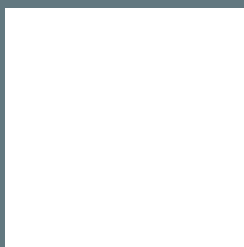
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.6498, 17.5881, 22.9921

Background



This preview shows how black text looks on a background with the XYZ color 15.6498, 17.5881, 22.9921.



This preview shows how white text looks on a background with the XYZ color 15.6498, 17.5881,

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

15.6498, 17.5881, 22.9921

Protanopia

17.0349, 17.4551, 21.8734

Deuteranopia

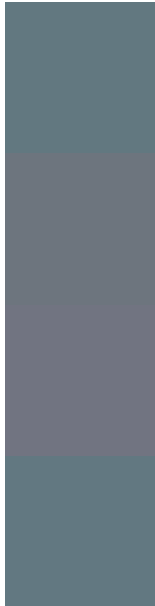
17.7527, 17.4602, 23.2034



Tritanopia

15.7159, 17.6146, 23.3405

Trichromacy



Original Color

15.6498, 17.5881, 22.9921

Protanomaly

16.4339, 17.4801, 22.2465

Deuteranomaly

17.0179, 17.5865, 23.2665

Tritanomaly

15.7159, 17.6146, 23.3405

Monochromacy



Original Color

15.6498, 17.5881, 22.9921

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.7595, 17.0108, 19.9056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6498, 17.5881, 22.9921 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(98, 120, 128) looks like.

```
.text, #text, p{  
    color:rgb(98, 120, 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(98, 120, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 120, 128) }
```

Border

The CSS property to change the border of an element to XYZ 15.6498, 17.5881, 22.9921 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(98, 120, 128) }
```


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

```
.border{ border-color:rgb(98, 120, 128) }
```

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

Here you see how a box with a 4 pixel rgb(98, 120, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 120, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 120, 128);  
box-shadow:4px 4px 4px 4px rgb(98, 120,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6498, 17.5881, 22.9921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 120, 128) }
```

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

```
.background{ background-color: rgb(98, 120,  
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](#).

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