

Converting Colors

XYZ(17.7640, 22.7709, 20.6359)

Have a look what the booklet for
XYZ(17.7640, 22.7709, 20.6359)
contains.

XYZ(17.6851, 22.6608, 20.5814)	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(17.6851, 22.6608,
20.5814)**

Conversions

Conversions Part 1

Format	Color
Hex	628C76
RGB	98, 140, 118
RGB Percent	38%, 55%, 46%
CMY	0.6157, 0.4510, 0.5373
CMYK	0.30, 0.00, 0.16, 0.45
HSL	149°, 18%, 47%
HSV	149°, 30%, 55%
XYZ	17.6851, 22.6608, 20.5814
YIQ	124.9340, -17.9700, -15.7460

Conversions

Conversions Part 2

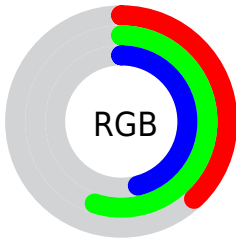
Format	Color
R _{YB}	98, 126, 140
Decimal	6458486
CIE Lab	54.72, -19.39, 7.15
CIE LCh	55, 20.663, 159.747
Yxy	22.6608, 0.2903, 0.3719
Android (android.graphics.Color)	4284648566 (0xFF628C76)
YUV	124.9340, -3.4185, -23.6211
Hunter-Lab	47.6034, -16.9914, 7.6882

Details

The XYZ color **17.6851, 22.6608, 20.5814** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.5738, 15.6675, 19.8154**, and the grayscale version is **19.4867, 20.5016, 22.3262**.

A 20% lighter version of the original color is **39.1252, 47.9699, 45.2272**, and **6.0283, 8.4075, 7.0994** is the 20% darker color. If you saturate the color by 10%, you get **15.8857, 21.7822, 18.3102**, and if you desaturate by 10%, it is **19.7839, 23.6911, 23.0445**.

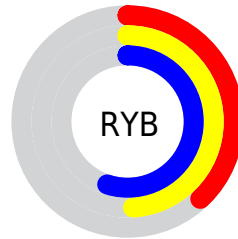
Distribution



Red (38%)

Green (55%)

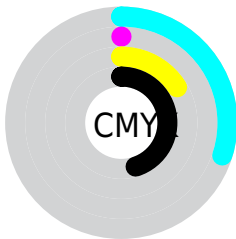
Blue (46%)



Red (38%)

Yellow (49%)

Blue (55%)

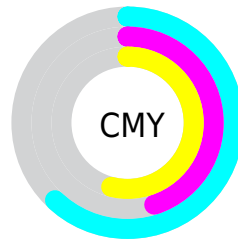


Cyan (30%)

Magenta (0%)

Yellow (16%)

Black (45%)



Cyan (62%)

Magenta (45%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6851, 22.6608, 20.5814 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 17.6851, 22.6608, 20.5814 by changing the saturation by 10% instead.

■ 17.6851, 22.6608,
20.5814

■ 17.6851, 22.6608,
20.5814

232.1701,
265.9780, 267.7530

■ 10.8225, 14.3432,
12.6301

■ 39.0343, 47.8358,
45.2615

■ 6.0140, 8.3598,
7.0466

■ 54.2516, 65.4620,
62.8274

■ 2.8943, 4.3260,
3.4124

■ 72.9845, 86.9598,
84.4353

■ 1.0981, 1.8576,
1.3089

■ 95.5983, 112.7137,
110.5037

■ 0.0236, 0.5227,
0.0690

122.4584,
143.1081, 141.4511

■ 0.0000, 0.0000,
0.0000

153.9302,

178.5274, 177.6961

190.3790,
219.3559, 219.6572

■ 17.6851, 22.6608,
20.5814

■ 17.6851, 22.6608,
20.5814

■ 15.8857, 21.7822,
18.3102

■ 19.7839, 23.6911,
23.0445

■ 14.3693, 21.0451,
16.2247

■ 22.1937, 24.8770,
25.7025

■ 13.1207, 20.4422,
14.3205


■ 24.9279, 26.2261,
28.5602


■ 12.1225, 19.9649,
12.5925


■ 27.9983, 27.7444,
31.6218


■ 11.3551, 19.6029,
11.0353


■ 31.4162, 29.4376,
34.8915


 10.7956, 19.3447,
9.6432

 35.1925, 31.3112,
38.3730

 10.3816, 19.1582,
8.4084

 39.3375, 33.3704,
42.0703

 43.8609, 35.6204,
45.9871

 48.7724, 38.0658,
50.1271

Harmonies

Analogous

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



18.8575, 22.6608, 16.2314



17.6851, 22.6608, 20.5814



17.5037, 22.6608, 26.8590

Triad

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



17.6851, 22.6608, 20.5814



22.2885, 22.6608, 39.2159



25.0845, 22.6608, 17.4910

Complementary

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



17.6851, 22.6608, 20.5814



18.5738, 15.6675, 19.8154

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.



26.1498, 22.6608, 22.6104



17.6851, 22.6608, 20.5814



24.4620, 22.6608, 35.6293

Square

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



17.6851, 22.6608, 20.5814



20.0576, 22.6608, 38.4119



25.9143, 22.6608, 29.2755



23.0904, 22.6608, 14.6774

Rectangle

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



17.6851, 22.6608, 20.5814



17.9551, 22.6608, 31.4356



25.9143, 22.6608, 29.2755



25.5693, 22.6608, 18.9586

Sweetspot

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



17.6857, 22.6617, 20.5819



39.4962, 44.0396, 45.7081



19.3848, 23.6607, 15.1009



8.9640, 10.0803, 10.3855



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



17.6857, 22.6617, 20.5819



28.9787, 38.8760, 33.5423



19.0469, 23.2062, 27.7495



5.0645, 5.6453, 5.8608



9.2340, 17.0262, 7.5229



0.0687, 0.1160, 0.0885

Inverse Universe

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



18.5738, 15.6675, 19.8154



30.8046, 24.4936, 31.9643



17.4549, 15.2199, 13.9230



5.1351, 5.0895, 5.8000



10.6983, 5.3895, 6.1818



0.0785, 0.0388, 0.0801

Previews

White Background



This preview shows how the XYZ color 17.6851, 22.6608, 20.5814 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 17.6851, 22.6608, 20.5814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

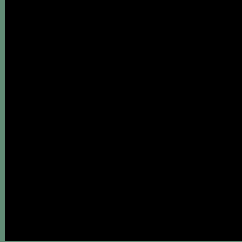
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.6851, 22.6608, 20.5814

Background



This preview shows how black text looks on a background with the XYZ color 17.6851, 22.6608, 20.5814.



This preview shows how white text looks on a background with the XYZ color 17.6851, 22.6608,

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

17.6851, 22.6608, 20.5814

Protanopia

21.2798, 22.4759, 18.8395

Deuteranopia

22.9447, 22.5052, 21.2238



Tritanopia

19.7795, 22.6580, 30.9347

Trichromacy



Original Color

17.6851, 22.6608, 20.5814

Protanomaly

19.7880, 22.4990, 19.5194

Deuteranomaly

20.5597, 22.2558, 20.9815

Tritanomaly

18.8691, 22.4937, 26.6398

Monochromacy



Original Color

17.6851, 22.6608, 20.5814

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.5657, 21.0152, 21.4902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6851, 22.6608, 20.5814 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, 140, 118)` looks like.

```
.text, #text, p{  
    color:rgb(98, 140, 118)  
}
```

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, 140, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 140, 118) }
```

Border

The CSS property to change the border of an element to XYZ 17.6851, 22.6608, 20.5814 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, 140, 118) }
```


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

```
.border{ border-color:rgb(98, 140, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 140, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 140, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 140, 118);  
box-shadow:4px 4px 4px 4px rgb(98, 140,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6851, 22.6608, 20.5814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 140, 118) }
```

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

```
.background{ background-color: rgb(98, 140,  
118) }
```

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