

Converting Colors

XYZ(18.4134, 23.0832, 21.7175)

Have a look what the booklet for
XYZ(18.4134, 23.0832, 21.7175)
contains.

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Color

**XYZ(18.3088, 22.9614,
21.5562)**

Conversions

Conversions Part 1

Format	Color
Hex	668C79
RGB	102, 140, 121
RGB Percent	40%, 55%, 47%
CMY	0.6000, 0.4510, 0.5255
CMYK	0.27, 0.00, 0.14, 0.45
HSL	150°, 16%, 47%
HSV	150°, 27%, 55%
XYZ	18.3088, 22.9614, 21.5562
YIQ	126.4720, -16.5490, -13.9650

Conversions

Conversions Part 2

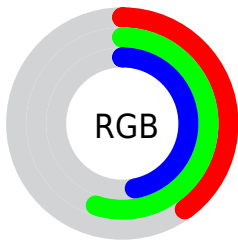
Format	Color
R_{YB}	102, 127, 140
Decimal	6720633
CIE _{Lab}	55.03, -17.41, 5.91
CIE _{LCh}	55, 18.384, 161.264
Yxy	22.9614, 0.2914, 0.3655
Android (android.graphics.Color)	4284910713 (0xFF668C79)
YUV	126.4720, -2.6977, -21.4619
Hunter-Lab	47.9181, -15.6543, 6.8707

Details

The XYZ color **18.3088, 22.9614, 21.5562** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.0186, 16.4593, 20.2648**, and the grayscale version is **20.0055, 21.0473, 22.9206**.

A 20% lighter version of the original color is **40.1610, 48.4707, 46.7742**, and **6.3472, 8.5645, 7.4495** is the 20% darker color. If you saturate the color by 10%, you get **16.4404, 22.0467, 19.3087**, and if you desaturate by 10%, it is **20.4776, 24.0287, 23.9814**.

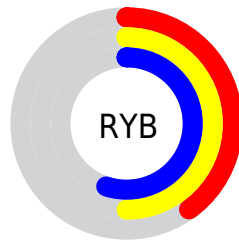
Distribution



Red (40%)

Green (55%)

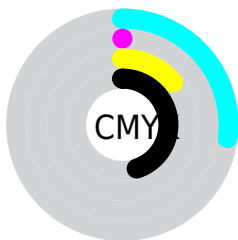
Blue (47%)



Red (40%)

Yellow (50%)

Blue (55%)

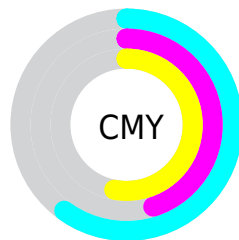


Cyan (27%)

Magenta (0%)

Yellow (14%)

Black (45%)



Cyan (60%)

Magenta (45%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3088, 22.9614, 21.5562 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 18.3088, 22.9614, 21.5562 by changing the saturation by 10% instead.

■ 18.3088, 22.9614,
21.5562

■ 18.3088, 22.9614,
21.5562

235.6179,
267.5267, 273.0973

■ 11.2729, 14.5650,
13.3360

■ 40.0888, 48.3299,
46.9041

■ 6.3194, 8.5147,
7.5269

■ 55.5636, 66.0709,
64.8689

■ 3.0827, 4.4260,
3.7103

■ 74.5822, 87.6954,
86.9190

■ 1.1977, 1.9146,
1.4678

■ 97.5098, 113.5881,
113.4729

■ 0.1045, 0.5571,
0.1938

124.7118,
144.1331, 144.9491

■ 0.0000, 0.0000,
0.0000

156.5536,

179.7149, 181.7662

193.4005,
220.7180, 224.3428

■ 18.3088, 22.9614,
21.5562

■ 18.3088, 22.9614,
21.5562

■ 16.4404, 22.0467,
19.3087

■ 20.4776, 24.0287,
23.9814

■ 14.8565, 21.2744,
17.2333

■ 22.9581, 25.2523,
26.5867

■ 13.5423, 20.6377,
15.3262

■ 25.7632, 26.6396,
29.3764

■ 12.4810, 20.1281,
13.5830

■ 28.9047, 28.1964,
32.3541

■ 11.6538, 19.7359,
11.9990

■ 32.3935, 29.9284,
35.5236

■ 11.0392, 19.4500,
10.5692

■ 36.2402, 31.8410,
38.8882

■ 10.5982, 19.2506,
9.2876

■ 40.4550, 33.9393,
42.4513

■ 10.4839, 19.1991,
8.9472

■ 45.0475, 36.2282,
46.2162

■ 50.0271, 38.7126,
50.1862

Harmonies

Analogous

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



19.3326, 22.9614, 17.4570



18.3088, 22.9614, 21.5562



18.1911, 22.9614, 27.2655

Triad

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



18.3088, 22.9614, 21.5562



22.6011, 22.9614, 37.7486



24.9146, 22.9614, 18.2863

Complementary

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



18.3088, 22.9614, 21.5562



19.0186, 16.4593, 20.2648

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.



25.9112, 22.9614, 22.8656



18.3088, 22.9614, 21.5562



24.5210, 22.9614, 34.4551

Square

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



18.3088, 22.9614, 21.5562



20.5856, 22.9614, 37.2511



25.7629, 22.9614, 28.7947



23.1114, 22.9614, 15.7826

Rectangle

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



18.3088, 22.9614, 21.5562



18.6332, 22.9614, 31.3114



25.7629, 22.9614, 28.7947



25.3600, 22.9614, 19.6012

Sweetspot

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



18.3094, 22.9624, 21.5567



40.0001, 44.2849, 46.3857



19.7514, 23.8273, 16.1290



9.0726, 10.1330, 10.5395



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.



18.3094, 22.9624, 21.5567



30.0620, 39.3951, 35.3724



19.5454, 23.4567, 28.0653



5.0693, 5.6472, 5.8860



9.3250, 17.0626, 8.0021



0.0693, 0.1163, 0.0920

Inverse Universe

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



19.0186, 16.4593, 20.2648



31.5425, 25.8186, 32.6752



17.9971, 16.0507, 14.8857



5.1303, 5.0876, 5.7748



10.6022, 5.3510, 5.6754



0.0778, 0.0385, 0.0766

Previews

White Background



This preview shows how the XYZ color 18.3088, 22.9614, 21.5562 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 18.3088, 22.9614, 21.5562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

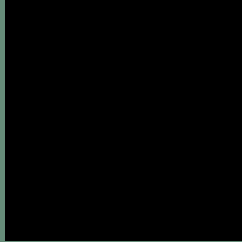
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.3088, 22.9614, 21.5562

Background



This preview shows how black text looks on a background with the XYZ color 18.3088, 22.9614, 21.5562.



This preview shows how white text looks on a background with the XYZ color 18.3088, 22.9614,

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

18.3088, 22.9614, 21.5562

Protanopia

21.5852, 22.8119, 19.7885

Deuteranopia

23.2601, 22.8370, 22.2508



Tritanopia

20.1340, 22.8407, 30.9513

Trichromacy



Original Color

18.3088, 22.9614, 21.5562

Protanomaly

20.1073, 22.6433, 20.4504

Deuteranomaly

21.1865, 22.7579, 22.0150

Tritanomaly

19.3588, 22.7296, 27.4117

Monochromacy



Original Color

18.3088, 22.9614, 21.5562

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.0905, 21.4697, 22.2067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3088, 22.9614, 21.5562 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(102, 140, 121)` looks like.

```
.text, #text, p{  
    color:rgb(102, 140, 121)  
}
```

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(102, 140, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 140, 121) }
```

Border

The CSS property to change the border of an element to XYZ 18.3088, 22.9614, 21.5562 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(102, 140, 121) }
```


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

```
.border{ border-color:rgb(102, 140, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 140, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 140, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 140, 121);  
box-shadow:4px 4px 4px 4px rgb(102, 140,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3088, 22.9614, 21.5562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 140, 121) }
```

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

```
.background{ background-color: rgb(102,  
140, 121) }
```

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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