

Converting Colors

XYZ(18.2420, 22.9632, 22.4956)

Have a look what the booklet for
XYZ(18.2420, 22.9632, 22.4956)
contains.

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Color

**XYZ(18.1618, 22.8641,
22.5248)**

Conversions

Conversions Part 1

Format	Color
Hex	638C7C
RGB	99, 140, 124
RGB Percent	39%, 55%, 49%
CMY	0.6118, 0.4510, 0.5137
CMYK	0.29, 0.00, 0.11, 0.45
HSL	157°, 17%, 47%
HSV	157°, 29%, 55%
XYZ	18.1618, 22.8641, 22.5248
YIQ	125.9170, -19.3000, -13.6680

Conversions

Conversions Part 2

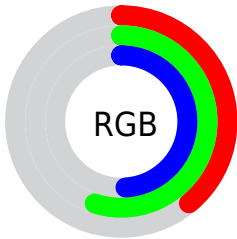
Format	Color
R_{YB}	99, 124, 140
Decimal	6524028
CIE _{Lab}	54.93, -17.75, 4.01
CIE _{LCh}	55, 18.200, 167.266
Y _{xy}	22.8641, 0.2858, 0.3598
Android (android.graphics.Color)	4284714108 (0xFF638C7C)
YUV	125.9170, -0.9451, -23.6062
Hunter-Lab	47.8164, -15.8802, 5.5419

Details

The XYZ color **18.1618, 22.8641, 22.5248** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.3724, 15.7375, 18.2900**, and the grayscale version is **19.8113, 20.8431, 22.6981**.

A 20% lighter version of the original color is **39.8908, 48.2975, 48.2942**, and **6.2416, 8.4984, 7.9680** is the 20% darker color. If you saturate the color by 10%, you get **16.4270, 22.0092, 20.6898**, and if you desaturate by 10%, it is **20.1822, 23.8652, 24.4741**.

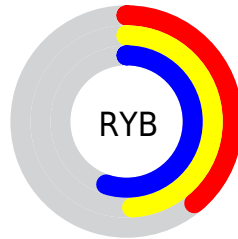
Distribution



Red (39%)

Green (55%)

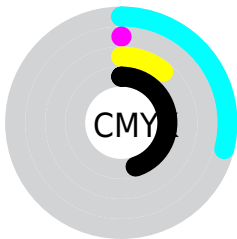
Blue (49%)



Red (39%)

Yellow (49%)

Blue (55%)

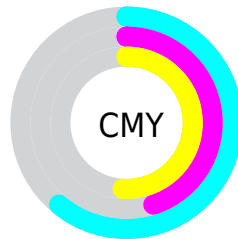


Cyan (29%)

Magenta (0%)

Yellow (11%)

Black (45%)



Cyan (61%)

Magenta (45%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1618, 22.8641, 22.5248 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 18.1618, 22.8641, 22.5248 by changing the saturation by 10% instead.

■ 18.1618, 22.8641,
22.5248

■ 18.1618, 22.8641,
22.5248

234.8094,
267.0262, 278.3172

■ 11.1666, 14.4932,
14.0410

■ 39.8408, 48.1701,
48.5251

■ 6.2471, 8.4645,
8.0101

■ 55.2552, 65.8739,
66.8788

■ 3.0380, 4.3936,
4.0136

■ 74.2068, 87.4576,
89.3594

■ 1.1739, 1.8961,
1.6328

■ 97.0610, 113.3054,
116.3857

■ 0.0856, 0.5460,
0.3141

124.1829,
143.8018, 148.3760

■ 0.0000, 0.0000,
0.0000

155.9381,

179.3311, 185.7490

192.6918,
220.2778, 228.9232

■ 18.1618, 22.8641,
22.5248

■ 18.1618, 22.8641,
22.5248

■ 16.4270, 22.0092,
20.6898

■ 20.1822, 23.8652,
24.4741

■ 14.9619, 21.2906,
18.9654

■ 22.4994, 25.0165,
26.5383

■ 13.7519, 20.7013,
17.3496

■ 25.1261, 26.3250,
28.7201

■ 12.7803, 20.2328,
15.8400

■ 28.0738, 27.7967,
31.0215

■ 12.0281, 19.8754,
14.4339

■ 31.3534, 29.4372,
33.4444

■ 11.4732, 19.6177,
13.1287

■ 34.9752, 31.2517,
35.9908

■ 11.0608, 19.4314,
11.9198

■ 38.9491, 33.2453,
38.6626

■ 11.0327, 19.4187,
11.8370

■ 43.2847, 35.4230,
41.4616

■ 47.9911, 37.7892,
44.3895

Harmonies

Analogous

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



19.0039, 22.8641, 18.0890



18.1618, 22.8641, 22.5248



18.2324, 22.8641, 28.3419

Triad

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



18.1618, 22.8641, 22.5248



22.9040, 22.8641, 37.0884



24.4729, 22.8641, 17.5913

Complementary

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



18.1618, 22.8641, 22.5248



18.3724, 15.7375, 18.2900

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.



25.6522, 22.8641, 21.7398



18.1618, 22.8641, 22.5248



24.7086, 22.8641, 33.2245

Square

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



18.1618, 22.8641, 22.5248



20.8874, 22.8641, 37.3859



25.7411, 22.8641, 27.4262



22.5983, 22.8641, 15.5516

Rectangle

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



18.1618, 22.8641, 22.5248



18.7872, 22.8641, 32.2498



25.7411, 22.8641, 27.4262



24.9687, 22.8641, 18.7533

Sweetspot

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



18.1624, 22.8650, 22.5253



39.7078, 44.1242, 46.8224



18.7539, 23.3301, 15.3195



9.0193, 10.1024, 10.6765



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.



18.1624, 22.8650, 22.5253



29.9900, 39.3086, 37.6011



18.6701, 22.1272, 28.0991



5.0915, 5.6561, 6.0029



9.8124, 17.2576, 10.5690



0.0724, 0.1175, 0.1082

Inverse Universe

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



18.3724, 15.7375, 18.2900



30.4225, 24.6774, 28.9139



17.9283, 16.1973, 13.9862



5.1084, 5.0788, 5.6594



10.2240, 5.1997, 3.6842



0.0747, 0.0373, 0.0604

Previews

White Background



This preview shows how the XYZ color 18.1618, 22.8641, 22.5248 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 18.1618, 22.8641, 22.5248 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

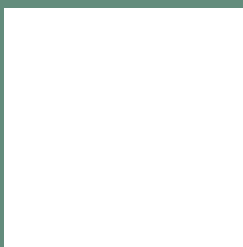
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.1618, 22.8641, 22.5248

Background



This preview shows how black text looks on a background with the XYZ color 18.1618, 22.8641, 22.5248.



This preview shows how white text looks on a background with the XYZ color 18.1618, 22.8641,

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

18.1618, 22.8641, 22.5248

Protanopia

21.5994, 22.7987, 20.7150

Deuteranopia

23.0972, 22.7308, 23.2488



Tritanopia

19.9999, 22.9725, 31.3970

Trichromacy



Original Color

18.1618, 22.8641, 22.5248

Protanomaly

20.1447, 22.6416, 21.3977

Deuteranomaly

20.9192, 22.5981, 22.9980

Tritanomaly

19.2282, 22.8658, 27.8262

Monochromacy



Original Color

18.1618, 22.8641, 22.5248

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.0204, 21.4263, 22.5352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1618, 22.8641, 22.5248 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(99, 140, 124) looks like.

```
.text, #text, p{  
    color:rgb(99, 140, 124)  
}
```

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(99, 140, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 140, 124) }
```

Border

The CSS property to change the border of an element to XYZ 18.1618, 22.8641, 22.5248 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(99, 140, 124) }
```


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

```
.border{ border-color:rgb(99, 140, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 140, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 140, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 140, 124);  
box-shadow:4px 4px 4px 4px rgb(99, 140,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1618, 22.8641, 22.5248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 140, 124) }
```

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

```
.background{ background-color: rgb(99, 140,  
124) }
```

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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