

Converting Colors

XYZ(18.4887, 23.0480, 24.6672)

Have a look what the booklet for
XYZ(18.4887, 23.0480, 24.6672)
contains.

XYZ(18.4444, 22.9645, 24.5796)	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(18.4444, 22.9645,
24.5796)**

Conversions

Conversions Part 1

Format	Color
Hex	628C82
RGB	98, 140, 130
RGB Percent	38%, 55%, 51%
CMY	0.6157, 0.4510, 0.4902
CMYK	0.30, 0.00, 0.07, 0.45
HSL	166°, 18%, 47%
HSV	166°, 30%, 55%
XYZ	18.4444, 22.9645, 24.5796
YIQ	126.3020, -21.8220, -12.0140

Conversions

Conversions Part 2

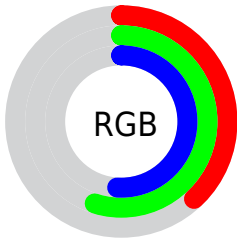
Format	Color
R _Y B	98, 122, 140
Decimal	6458498
CIE Lab	55.04, -16.71, 0.70
CIE LCh	55, 16.727, 177.610
Yxy	22.9645, 0.2795, 0.3480
Android (android.graphics.Color)	4284648578 (0xFF628C82)
YUV	126.3020, 1.8231, -24.8209
Hunter-Lab	47.9213, -15.1595, 3.1341

Details

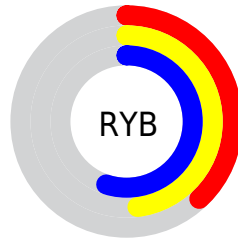
The XYZ color **18.4444, 22.9645, 24.5796** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.8905, 15.3943, 16.2169**, and the grayscale version is **19.9338, 20.9720, 22.8385**.

A 20% lighter version of the original color is **40.4167, 48.4865, 52.0284**, and **6.4080, 8.5594, 9.0990** is the 20% darker color. If you saturate the color by 10%, you get **16.8439, 22.1655, 23.3558**, and if you desaturate by 10%, it is **20.3177, 23.9045, 25.8550**.

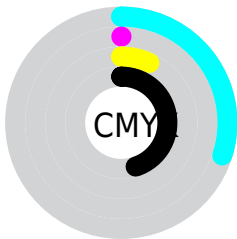
Distribution



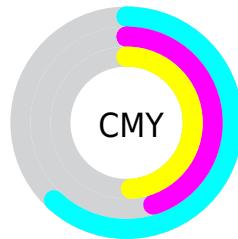
- Red (38%)
- Green (55%)
- Blue (51%)



- Red (38%)
- Yellow (48%)
- Blue (55%)



- Cyan (30%)
- Magenta (0%)
- Yellow (7%)
- Black (45%)



- Cyan (62%)
- Magenta (45%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4444, 22.9645, 24.5796 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 18.4444, 22.9645, 24.5796 by changing the saturation by 10% instead.

■ 18.4444, 22.9645,
24.5796

■ 18.4444, 22.9645,
24.5796

236.3616,
267.5426, 289.1182

■ 11.3711, 14.5673,
15.5480

■ 40.3173, 48.3350,
51.9300

■ 6.3862, 8.5163,
9.0540

■ 55.8476, 66.0771,
71.0859

■ 3.1242, 4.4270,
4.6791

■ 74.9277, 87.7030,
94.4536

■ 1.2198, 1.9152,
2.0048

■ 97.9229, 113.5971,
122.4516

■ 0.1219, 0.5575,
0.5582

125.1985,
144.1436, 155.4985

■ 0.0000, 0.0000,
0.0000

157.1199,

179.7272, 194.0129

194.0525,
220.7320, 238.4133

■ 18.4444, 22.9645,
24.5796

■ 18.4444, 22.9645,
24.5796

■ 16.8439, 22.1655,
23.3558

■ 20.3177, 23.9045,
25.8550

■ 15.5004, 21.4975,
22.1810

■ 22.4747, 24.9894,
27.1814

■ 14.3996, 20.9538,
21.0547

■ 24.9280, 26.2261,
28.5603

■ 13.5246, 20.5257,
19.9758

■ 27.6890, 27.6206,
29.9924

■ 12.8567, 20.2035,
18.9430

■ 30.7683, 29.1784,
31.4786

■ 12.3739, 19.9760,
17.9549

■ 34.1761, 30.9046,
33.0198

■ 12.0147, 19.8114,
17.0083

■ 37.9222, 32.8043,
34.6167

■ 12.0147, 19.8114,
17.0082

■ 42.0158, 34.8823,
36.2700

■ 46.4660, 37.1432,
37.9806

Harmonies

Analogous

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



18.9435, 22.9645, 19.9080



18.4444, 22.9645, 24.5796



18.8081, 22.9645, 30.0594

Triad

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



18.4444, 22.9645, 24.5796



23.5273, 22.9645, 35.2260



23.8000, 22.9645, 17.3126

Complementary

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



18.4444, 22.9645, 24.5796



17.8905, 15.3943, 16.2169

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.



25.1530, 22.9645, 20.5505



18.4444, 22.9645, 24.5796



24.9893, 22.9645, 30.9039

Square

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



18.4444, 22.9645, 24.5796



21.6782, 22.9645, 36.7011



25.5999, 22.9645, 25.4341



21.9766, 22.9645, 16.1015

Rectangle

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



18.4444, 22.9645, 24.5796



19.5031, 22.9645, 33.3602



25.5999, 22.9645, 25.4341



24.3287, 22.9645, 18.1753

Sweetspot

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



18.4451, 22.9654, 24.5801



39.9530, 44.2223, 48.1138



17.8288, 22.8585, 15.0283



9.0835, 10.1281, 11.0147



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.



18.4451, 22.9654, 24.5801



30.5593, 39.5083, 41.8657



17.6877, 20.3235, 27.8025



5.1228, 5.6686, 6.1675



10.6830, 17.6058, 15.1534



0.0766, 0.1192, 0.1306

Inverse Universe

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



17.8905, 15.3943, 16.2169



29.4218, 23.9405, 24.6828



18.4361, 17.2890, 13.9213



5.0785, 5.0669, 5.5020



9.8648, 5.0560, 1.7924



0.0705, 0.0356, 0.0380

Previews

White Background



This preview shows how the XYZ color 18.4444, 22.9645, 24.5796 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 18.4444, 22.9645, 24.5796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

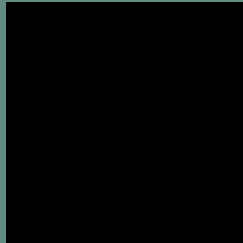
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4444, 22.9645, 24.5796

Background



This preview shows how black text looks on a background with the XYZ color 18.4444, 22.9645, 24.5796.



This preview shows how white text looks on a background with the XYZ color 18.4444, 22.9645,

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

18.4444, 22.9645, 24.5796

Protanopia

21.8096, 22.8642, 22.6658

Deuteranopia

23.1507, 22.7118, 25.3540



Tritanopia

19.7704, 22.8542, 31.3863

Trichromacy



Original Color

18.4444, 22.9645, 24.5796

Protanomaly

20.3819, 22.7201, 23.3898

Deuteranomaly

21.1685, 22.6805, 25.0919

Tritanomaly

19.2630, 22.8667, 28.5978

Monochromacy



Original Color

18.4444, 22.9645, 24.5796

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.1495, 21.4779, 23.2150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4444, 22.9645, 24.5796 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(98, 140, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 140, 130) }
```

Border

The CSS property to change the border of an element to XYZ 18.4444, 22.9645, 24.5796 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, 130) }
```


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

```
.border{ border-color:rgb(98, 140, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 140, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 140, 130);  
box-shadow:4px 4px 4px 4px rgb(98, 140,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4444, 22.9645, 24.5796 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, 130) }
```

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

```
.background{ background-color: rgb(98, 140,  
130) }
```

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