

Converting Colors

XYZ(18.4707, 23.4423, 24.9386)

Have a look what the booklet for
XYZ(18.4707, 23.4423, 24.9386)
contains.

XYZ(18.4890, 23.4176, 25.0183)	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(18.4890, 23.4176,
25.0183)**

Conversions

Conversions Part 1

Format	Color
Hex	5F8E83
RGB	95, 142, 131
RGB Percent	37%, 56%, 51%
CMY	0.6274, 0.4431, 0.4863
CMYK	0.33, 0.00, 0.08, 0.44
HSL	166°, 20%, 46%
HSV	166°, 33%, 56%
XYZ	18.4890, 23.4176, 25.0183
YIQ	126.6930, -24.4810, -13.3850

Conversions

Conversions Part 2

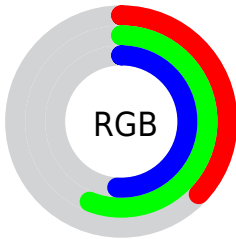
Format	Color
R_{YB}	95, 122, 142
Decimal	6262403
CIE _{Lab}	55.50, -18.48, 0.78
CIE _{LCh}	55, 18.497, 177.591
Y _{xy}	23.4176, 0.2763, 0.3499
Android (android.graphics.Color)	4284452483 (0xFF5F8E83)
YUV	126.6930, 2.1234, -27.7948
Hunter-Lab	48.3917, -16.4862, 3.2216

Details

The XYZ color **18.4890, 23.4176, 25.0183** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.8498, 14.9763, 15.5864**, and the grayscale version is **20.0670, 21.1121, 22.9910**.

A 20% lighter version of the original color is **40.4243, 49.1436, 52.7025**, and **6.4769, 8.8443, 9.3484** is the 20% darker color. If you saturate the color by 10%, you get **16.9248, 22.6374, 23.7883**, and if you desaturate by 10%, it is **20.3307, 24.3412, 26.3001**.

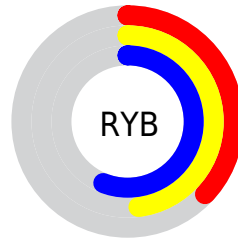
Distribution



Red (37%)

Green (56%)

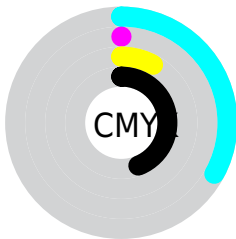
Blue (51%)



Red (37%)

Yellow (48%)

Blue (56%)

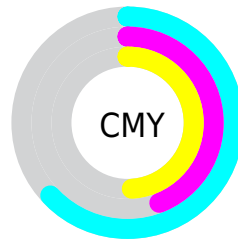


Cyan (33%)

Magenta (0%)

Yellow (8%)

Black (44%)



Cyan (63%)

Magenta (44%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4890, 23.4176, 25.0183 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 18.4890, 23.4176, 25.0183 by changing the saturation by 10% instead.

■ 18.4890, 23.4176,
25.0183

■ 18.4890, 23.4176,
25.0183

236.6057,
269.8627, 291.3797

■ 11.4034, 14.9022,
15.8715

■ 40.3924, 49.0781,
52.6514

■ 6.4082, 8.7507,
9.2799

■ 55.9410, 66.9920,
71.9748

■ 3.1378, 4.5790,
4.8249

■ 75.0412, 88.8075,
95.5276

■ 1.2271, 2.0024,
2.0880

■ 98.0586, 114.9089,
123.7281

■ 0.1276, 0.6089,
0.6086

125.3583,
145.6808, 156.9951

■ 0.0000, 0.0000,
0.0000

157.3059,

181.5074, 195.7470

194.2665,
222.7733, 240.4023

■ 18.4890, 23.4176,
25.0183

■ 18.4890, 23.4176,
25.0183

■ 16.9248, 22.6374,
23.7883

■ 20.3307, 24.3412,
26.3001

■ 15.6214, 21.9903,
22.6073

■ 22.4614, 25.4123,
27.6329

■ 14.5633, 21.4688,
21.4749

■ 24.8946, 26.6385,
29.0183

■ 13.7327, 21.0638,
20.3898

■ 27.6421, 28.0259,
30.4572

■ 13.1091, 20.7647,
19.3508

■ 30.7151, 29.5803,
31.9505

■ 12.6685, 20.5591,
18.3562

■ 34.1245, 31.3071,
33.4988

■ 12.4211, 20.4459,
17.6933

■ 37.8803, 33.2117,
35.1032

■ 41.9924, 35.2990,
36.7642

■ 46.4700, 37.5739,
38.4827

Harmonies

Analogous

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



19.0429, 23.4176, 19.8277



18.4890, 23.4176, 25.0183



18.8915, 23.4176, 31.1915

Triad

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



18.4890, 23.4176, 25.0183



24.1659, 23.4176, 37.0826



24.4755, 23.4176, 16.9837

Complementary

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



18.4890, 23.4176, 25.0183



17.8498, 14.9763, 15.5864

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.



26.0018, 23.4176, 20.5429



18.4890, 23.4176, 25.0183



25.8154, 23.4176, 32.1572

Square

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



18.4890, 23.4176, 25.0183



22.0897, 23.4176, 38.7700



26.5067, 23.4176, 25.9834



22.4266, 23.4176, 15.6637

Rectangle

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



18.4890, 23.4176, 25.0183



19.6628, 23.4176, 34.9455



26.5067, 23.4176, 25.9834



25.0714, 23.4176, 17.9277

Sweetspot

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



18.4897, 23.4185, 25.0188



40.7918, 45.4070, 49.4228



17.7726, 23.2835, 14.3842



8.9972, 10.0845, 10.9723



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.



18.4897, 23.4185, 25.0188



30.4284, 40.2085, 42.4310



17.6184, 20.4185, 28.6049



5.5070, 6.0950, 6.6358



11.1590, 18.3595, 15.9235



0.1151, 0.1789, 0.1967

Inverse Universe

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



17.8498, 14.9763, 15.5864



29.1183, 22.8689, 23.0780



18.4533, 17.0409, 13.1434



5.4574, 5.4435, 5.9067



10.2716, 5.2657, 1.8156



0.1056, 0.0533, 0.0561

Previews

White Background



This preview shows how the XYZ color 18.4890, 23.4176, 25.0183 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 18.4890, 23.4176, 25.0183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

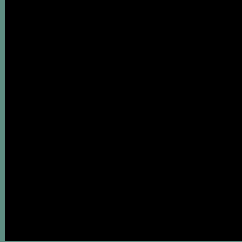
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4890, 23.4176, 25.0183

Background



This preview shows how black text looks on a background with the XYZ color 18.4890, 23.4176, 25.0183.

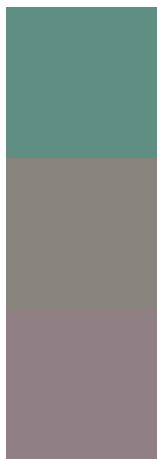


This preview shows how white text looks on a background with the XYZ color 18.4890, 23.4176,

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

18.4890, 23.4176, 25.0183

Protanopia

22.1063, 23.2174, 22.7183

Deuteranopia

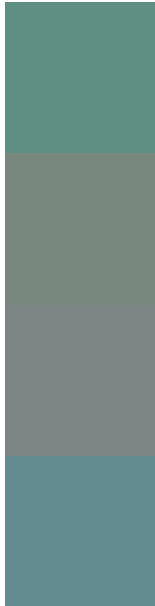
23.5238, 23.0889, 25.7710



Tritanopia

19.8832, 23.3199, 32.3074

Trichromacy



Original Color

18.4890, 23.4176, 25.0183

Protanomaly

20.5201, 23.2056, 23.4763

Deuteranomaly

21.2254, 22.9041, 25.4925

Tritanomaly

19.3730, 23.3360, 29.4698

Monochromacy



Original Color

18.4890, 23.4176, 25.0183

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.2178, 21.7059, 23.5988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4890, 23.4176, 25.0183 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(95, 142, 131)` looks like.

```
.text, #text, p{  
    color:rgb(95, 142, 131)  
}
```

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(95, 142, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 142, 131) }
```

Border

The CSS property to change the border of an element to XYZ 18.4890, 23.4176, 25.0183 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(95, 142, 131) }
```


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

```
.border{ border-color:rgb(95, 142, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 142, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 142, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 142, 131);  
box-shadow:4px 4px 4px 4px rgb(95, 142,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4890, 23.4176, 25.0183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 142, 131) }
```

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

```
.background{ background-color: rgb(95, 142,  
131) }
```

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