

Converting Colors

XYZ(18.0837, 24.3982, 18.3375)

Have a look what the booklet for
XYZ(18.0837, 24.3982, 18.3375)
contains.

XYZ(18.1238, 24.5130, 18.2442)	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(18.1238, 24.5130,
18.2442)**

Conversions

Conversions Part 1

Format	Color
Hex	61936D
RGB	97, 147, 109
RGB Percent	38%, 58%, 43%
CMY	0.6196, 0.4235, 0.5725
CMYK	0.34, 0.00, 0.26, 0.42
HSL	134°, 20%, 48%
HSV	134°, 34%, 58%
XYZ	18.1238, 24.5130, 18.2442
YIQ	127.7180, -17.6020, -22.4180

Conversions

Conversions Part 2

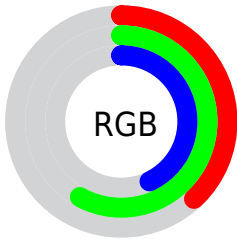
Format	Color
R_{YB}	97, 137, 147
Decimal	6394733
CIE _{Lab}	56.60, -25.13, 14.91
CIE _{LCh}	57, 29.222, 149.324
Yxy	24.5130, 0.2977, 0.4026
Android (android.graphics.Color)	4284584813 (0xFF61936D)
YUV	127.7180, -9.2280, -26.9397
Hunter-Lab	49.5106, -21.3020, 12.8096

Details

The XYZ color **18.1238, 24.5130, 18.2442** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.6813, 16.5022, 25.0179**, and the grayscale version is **20.4560, 21.5213, 23.4367**.

A 20% lighter version of the original color is **39.7141, 50.7361, 41.4181**, and **6.2441, 9.3310, 5.8869** is the 20% darker color. If you saturate the color by 10%, you get **16.1366, 23.5544, 15.2089**, and if you desaturate by 10%, it is **20.4790, 25.6539, 21.6969**.

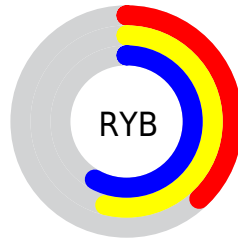
Distribution



Red (38%)

Green (58%)

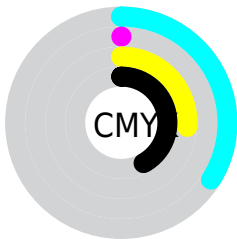
Blue (43%)



Red (38%)

Yellow (54%)

Blue (58%)

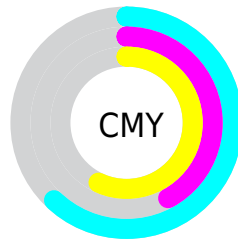


Cyan (34%)

Magenta (0%)

Yellow (26%)

Black (42%)



Cyan (62%)

Magenta (42%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1238, 24.5130, 18.2442 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 18.1238, 24.5130, 18.2442 by changing the saturation by 10% instead.

■ 18.1238, 24.5130,
18.2442

■ 18.1238, 24.5130,
18.2442

234.6000,
275.4039, 254.5261

■ 11.1391, 15.7146,
10.9542

■ 39.7766, 50.8661,
41.2725

■ 6.2285, 9.3224,
5.9223

■ 55.1754, 69.1895,
57.8480

■ 3.0265, 4.9521,
2.7298

■ 74.1097, 91.4568,
78.3556

■ 1.1678, 2.2192,
0.9584

■ 96.9448, 118.0522,
103.2140

■ 0.0807, 0.7304,
0.0000

124.0460,
149.3602, 132.8417

■ 0.0000, 0.0000,
0.0000

155.7787,

185.7653, 167.6573

192.5082,
227.6517, 208.0792

■ 18.1238, 24.5130,
18.2442

■ 18.1238, 24.5130,
18.2442

■ 16.1366, 23.5544,
15.2089

■ 20.4790, 25.6539,
21.6969

■ 14.4966, 22.7656,
12.5736

■ 23.2179, 26.9827,
25.5803

■ 13.1838, 22.1373,
10.3219


■ 26.3575, 28.5087,
29.9091


■ 12.1752, 21.6580,
8.4359


■ 29.9132, 30.2394,
34.6970


■ 11.4449, 21.3149,
6.8960


■ 33.8996, 32.1822,
39.9569


 10.9617, 21.0922,
5.6809

 38.3307, 34.3439,
45.7012

 10.7418, 20.9915,
5.0976

 43.2196, 36.7312,
51.9421

 48.5791, 39.3503,
58.6909

 54.4214, 42.2073,
65.9590

Harmonies

Analogous

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



20.2461, 24.5130, 13.4846



18.1238, 24.5130, 18.2442



17.3625, 24.5130, 26.4706

Triad

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



18.1238, 24.5130, 18.2442



23.2220, 24.5130, 50.0860



29.4657, 24.5130, 18.5422

Complementary

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



18.1238, 24.5130, 18.2442



20.6813, 16.5022, 25.0179

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.



30.4541, 24.5130, 26.9116



18.1238, 24.5130, 18.2442



26.6440, 24.5130, 46.5313

Square

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



18.1238, 24.5130, 18.2442



20.1249, 24.5130, 46.2126



29.3757, 24.5130, 37.4087



26.7901, 24.5130, 13.6250

Rectangle

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



18.1238, 24.5130, 18.2442



17.6662, 24.5130, 33.3666



29.3757, 24.5130, 37.4087



30.0172, 24.5130, 20.9701

Sweetspot

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



18.1244, 24.5140, 18.2447



43.6335, 49.3185, 48.6658



22.6378, 26.9103, 15.3105



9.8006, 11.1806, 10.8877



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.1244, 24.5140, 18.2447



29.6159, 42.5272, 28.3543



19.6441, 25.1219, 26.2471



5.7833, 6.4899, 6.4696



9.3207, 18.2011, 4.4642



0.1241, 0.2268, 0.1075

Inverse Universe

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



20.6813, 16.5022, 25.0179



34.9237, 25.8780, 42.4015



19.1407, 15.8860, 16.9051



5.9764, 5.8856, 6.9820



12.9636, 6.3905, 13.8214



0.1701, 0.0828, 0.2296

Previews

White Background



This preview shows how the XYZ color 18.1238, 24.5130, 18.2442 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 18.1238, 24.5130, 18.2442 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 18.1238, 24.5130, 18.2442

Background



This preview shows how black text looks on a background with the XYZ color 18.1238, 24.5130, 18.2442.



This preview shows how white text looks on a background with the XYZ color 18.1238, 24.5130,

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

18.1238, 24.5130, 18.2442

Protanopia

22.6138, 24.2365, 16.3182

Deuteranopia

24.6736, 24.2254, 18.9983



Tritanopia

21.2185, 24.4138, 33.7310

Trichromacy



Original Color

18.1238, 24.5130, 18.2442

Protanomaly

20.5348, 23.9972, 16.9142

Deuteranomaly

21.7205, 23.9291, 18.8032

Tritanomaly

19.9313, 24.3346, 27.3135

Monochromacy



Original Color

18.1238, 24.5130, 18.2442

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.4513, 22.4903, 21.4050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1238, 24.5130, 18.2442 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(97, 147, 109)` looks like.

```
.text, #text, p{  
    color:rgb(97, 147, 109)  
}
```

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(97, 147, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 147, 109) }
```

Border

The CSS property to change the border of an element to XYZ 18.1238, 24.5130, 18.2442 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(97, 147, 109) }
```


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

```
.border{ border-color:rgb(97, 147, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 147, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 147, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 147, 109);  
box-shadow:4px 4px 4px 4px rgb(97, 147,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1238, 24.5130, 18.2442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 147, 109) }
```

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

```
.background{ background-color: rgb(97, 147,  
109) }
```

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