

Converting Colors

XYZ(18.7768, 24.2640, 22.2925)

Have a look what the booklet for
XYZ(18.7768, 24.2640, 22.2925)
contains.

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Color

**XYZ(18.8461, 24.3335,
22.4424)**

Conversions

Conversions Part 1

Format	Color
Hex	63917B
RGB	99, 145, 123
RGB Percent	39%, 57%, 48%
CMY	0.6118, 0.4314, 0.5176
CMYK	0.32, 0.00, 0.15, 0.43
HSL	151°, 19%, 48%
HSV	151°, 32%, 57%
XYZ	18.8461, 24.3335, 22.4424
YIQ	128.7380, -20.3540, -16.5940

Conversions

Conversions Part 2

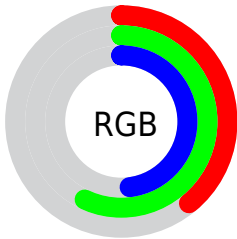
Format	Color
R _Y B	99, 129, 145
Decimal	6525307
CIE Lab	56.42, -20.59, 6.72
CIE LCh	56, 21.663, 161.924
Yxy	24.3335, 0.2872, 0.3708
Android (android.graphics.Color)	4284715387 (0xFF63917B)
YUV	128.7380, -2.8288, -26.0802
Hunter-Lab	49.3290, -18.1300, 7.5561

Details

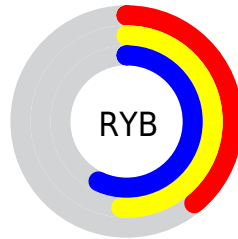
The XYZ color **18.8461, 24.3335, 22.4424** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.5909, 16.3244, 20.2085**, and the grayscale version is **20.7898, 21.8725, 23.8191**.

A 20% lighter version of the original color is **40.9238, 50.5213, 48.1521**, and **6.5541, 9.1779, 7.9046** is the 20% darker color. If you saturate the color by 10%, you get **16.9832, 23.4222, 20.1689**, and if you desaturate by 10%, it is **21.0256, 25.4058, 24.8923**.

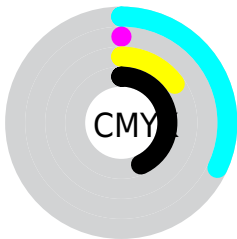
Distribution



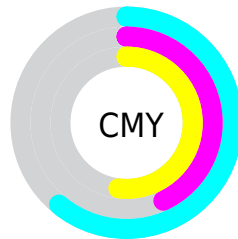
- Red (39%)
- Green (57%)
- Blue (48%)



- Red (39%)
- Yellow (51%)
- Blue (57%)



- Cyan (32%)
- Magenta (0%)
- Yellow (15%)
- Black (43%)



- Cyan (61%)
- Magenta (43%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8461, 24.3335, 22.4424 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 18.8461, 24.3335, 22.4424 by changing the saturation by 10% instead.

■ 18.8461, 24.3335,
22.4424

■ 18.8461, 24.3335,
22.4424

238.5523,
274.5022, 277.8765

■ 11.6625, 15.5812,
13.9809

■ 40.9928, 50.5739,
48.3876

■ 6.5848, 9.2283,
7.9688

■ 56.6865, 68.8307,
66.7085

■ 3.2479, 4.8904,
3.9875

■ 75.9477, 91.0246,
89.1528

■ 1.2862, 2.1831,
1.6185

■ 99.1416, 117.5398,
116.1393

■ 0.1728, 0.7108,
0.3040

126.6337,
148.7608, 148.0863

■ 0.0000, 0.0000,
0.0000

158.7893,

185.0719, 185.4125

195.9737,
226.8576, 228.5364

■ 18.8461, 24.3335,
22.4424

■ 18.8461, 24.3335,
22.4424

■ 16.9832, 23.4222,
20.1689

■ 21.0256, 25.4058,
24.8923

■ 15.4190, 22.6608,
18.0662

■ 23.5343, 26.6435,
27.5209

■ 14.1369, 22.0413,
16.1306

■ 26.3868, 28.0547,
30.3325

■ 13.1177, 21.5541,
14.3576

■ 29.5959, 29.6460,
33.3308

■ 12.3397, 21.1879,
12.7426

■ 33.1739, 31.4237,
36.5192

■ 11.7773, 20.9298,
11.2806

■ 37.1325, 33.3937,
39.9011

■ 11.4183, 20.7687,
10.1810

■ 41.4829, 35.5617,
43.4800

■ 46.2356, 37.9331,
47.2590

■ 51.4011, 40.5132,
51.2414

Harmonies

Analogous

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



20.0579, 24.3335, 17.5021



18.8461, 24.3335, 22.4424



18.7297, 24.3335, 29.4476

Triad

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



18.8461, 24.3335, 22.4424



24.1375, 24.3335, 42.4078



26.8991, 24.3335, 18.3080

Complementary

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



18.8461, 24.3335, 22.4424



19.5909, 16.3244, 20.2085

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.



28.1667, 24.3335, 23.7467



18.8461, 24.3335, 22.4424



26.4970, 24.3335, 38.1369

Square

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



18.8461, 24.3335, 22.4424



21.6662, 24.3335, 41.8858



28.0144, 24.3335, 31.0084



24.6547, 24.3335, 15.4287

Rectangle

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



18.8461, 24.3335, 22.4424



19.2774, 24.3335, 34.4767



28.0144, 24.3335, 31.0084



27.4606, 24.3335, 19.8514

Sweetspot

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



18.8468, 24.3345, 22.4429



42.8791, 48.0754, 50.0261



20.2962, 25.2346, 15.6057



9.4041, 10.6282, 10.9927



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.8468, 24.3345, 22.4429



31.3349, 42.3943, 37.2801



20.2658, 24.7153, 30.4917



5.4530, 6.0734, 6.3513



9.8066, 17.8185, 8.8016



0.1049, 0.1748, 0.1428

Inverse Universe

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



19.5909, 16.3244, 20.2085



32.8820, 25.7455, 32.6379



18.4647, 15.9907, 13.9179



5.5096, 5.4643, 6.1813



10.9596, 5.5408, 5.4383



0.1158, 0.0574, 0.1100

Previews

White Background



This preview shows how the XYZ color 18.8461, 24.3335, 22.4424 looks on a white background.

Color Contrast Check

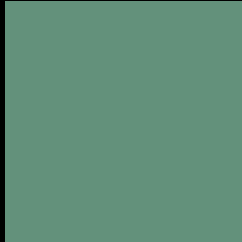
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8461, 24.3335, 22.4424 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 18.8461, 24.3335, 22.4424

Background



This preview shows how black text looks on a background with the XYZ color 18.8461, 24.3335, 22.4424.



This preview shows how white text looks on a background with the XYZ color 18.8461, 24.3335,

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

18.8461, 24.3335, 22.4424

Protanopia

22.7796, 24.0209, 20.5754

Deuteranopia

24.5110, 24.0509, 23.0891



Tritanopia

21.0181, 24.3200, 33.2922

Trichromacy



Original Color

18.8461, 24.3335, 22.4424

Protanomaly

21.0828, 23.9686, 21.2845

Deuteranomaly

21.8814, 23.7141, 22.8261

Tritanomaly

20.0742, 24.1527, 28.8032

Monochromacy



Original Color

18.8461, 24.3335, 22.4424

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.9660, 22.7118, 23.4102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8461, 24.3335, 22.4424 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, 145, 123)` looks like.

```
.text, #text, p{  
    color:rgb(99, 145, 123)  
}
```

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, 145, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 145, 123) }
```

Border

The CSS property to change the border of an element to XYZ 18.8461, 24.3335, 22.4424 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, 145, 123) }
```


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

```
.border{ border-color:rgb(99, 145, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 145, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 145, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 145, 123);  
box-shadow:4px 4px 4px 4px rgb(99, 145,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8461, 24.3335, 22.4424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 145, 123) }
```

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

```
.background{ background-color: rgb(99, 145,  
123) }
```

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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