

Converting Colors

XYZ(18.5117, 24.3414, 16.1965)

Have a look what the booklet for
XYZ(18.5117, 24.3414, 16.1965)
contains.

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Color

**XYZ(18.4675, 24.2743,
16.2824)**

Conversions

Conversions Part 1

Format	Color
Hex	6A9166
RGB	106, 145, 102
RGB Percent	42%, 57%, 40%
CMY	0.5843, 0.4314, 0.6000
CMYK	0.27, 0.00, 0.30, 0.43
HSL	114°, 17%, 48%
HSV	114°, 30%, 57%
XYZ	18.4675, 24.2743, 16.2824
YIQ	128.4370, -9.4410, -21.6410

Conversions

Conversions Part 2

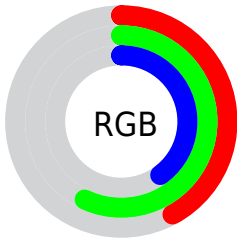
Format	Color
R_{YB}	102, 145, 141
Decimal	6984038
CIE _{Lab}	56.36, -22.31, 18.60
CIE _{LCh}	56, 29.046, 140.171
Yxy	24.2743, 0.3129, 0.4113
Android (android.graphics.Color)	4285174118 (0xFF6A9166)
YUV	128.4370, -13.0334, -19.6772
Hunter-Lab	49.2690, -19.3135, 14.8941

Details

The XYZ color **18.4675, 24.2743, 16.2824** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.8478, 17.2105, 29.0126**, and the grayscale version is **20.7165, 21.7954, 23.7351**.

A 20% lighter version of the original color is **40.2737, 50.4159, 37.7456**, and **6.3796, 9.1511, 5.0445** is the 20% darker color. If you saturate the color by 10%, you get **16.3656, 23.2674, 12.7530**, and if you desaturate by 10%, it is **20.9362, 25.4572, 20.4867**.

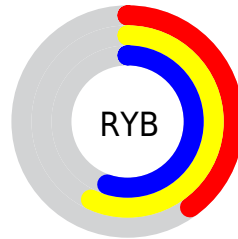
Distribution



Red (42%)

Green (57%)

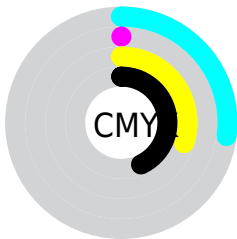
Blue (40%)



Red (40%)

Yellow (57%)

Blue (55%)

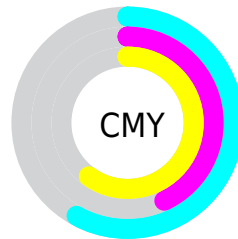


Cyan (27%)

Magenta (0%)

Yellow (30%)

Black (43%)



Cyan (58%)

Magenta (43%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4675, 24.2743, 16.2824 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 18.4675, 24.2743, 16.2824 by changing the saturation by 10% instead.

■ 18.4675, 24.2743,
16.2824

■ 18.4675, 24.2743,
16.2824

236.4880,
274.2043, 242.9047

■ 11.3879, 15.5372,
9.5677

■ 40.3562, 50.4774,
37.8614

■ 6.3976, 9.1973,
5.0114

■ 55.8960, 68.7123,
53.5627

■ 3.1312, 4.8701,
2.1951

■ 74.9865, 90.8819,
73.0967

■ 1.2235, 2.1712,
0.6716

■ 97.9932, 117.3706,
96.8818

■ 0.1248, 0.7042,
0.0000

125.2813,
148.5628, 125.3366

■ 0.0000, 0.0000,
0.0000

157.2162,

184.8429, 158.8797

194.1634,
226.5952, 197.9295

■ 18.4675, 24.2743,
16.2824

■ 18.4675, 24.2743,
16.2824

■ 16.3656, 23.2674,
12.7530

■ 20.9362, 25.4572,
20.4867

■ 14.6112, 22.4252,
9.8618

■ 23.7861, 26.8206,
25.3967

■ 13.1861, 21.7397,
7.5712

■ 27.0331, 28.3729,
31.0433

■ 12.0695, 21.2012,
5.8390

■ 30.6917, 30.1209,
37.4552

■ 11.2384, 20.7990,
4.6173

■ 34.7756, 32.0709,
44.6594

■ 10.6665, 20.5205,
3.8506

■ 39.2978, 34.2294,
52.6817

■ 10.3088, 20.3458,
3.3981

■ 44.2709, 36.6020,
61.5466

■ 10.2991, 20.3411,
3.3834

■ 49.7070, 39.1947,
71.2778

■ 55.6175, 42.0127,
81.8979

Harmonies

Analogous

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



20.9200, 24.2743, 12.6136



18.4675, 24.2743, 16.2824



17.2858, 24.2743, 23.4029

Triad

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



18.4675, 24.2743, 16.2824



21.9891, 24.2743, 49.1113



29.6667, 24.2743, 20.5624

Complementary

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



18.4675, 24.2743, 16.2824



20.8478, 17.2105, 29.0126

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.



30.0237, 24.2743, 29.7088



18.4675, 24.2743, 16.2824



25.3668, 24.2743, 47.8210

Square

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



18.4675, 24.2743, 16.2824



19.1849, 24.2743, 43.2929



28.3845, 24.2743, 40.1050



27.4516, 24.2743, 14.6376

Rectangle

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



18.4675, 24.2743, 16.2824



17.2913, 24.2743, 29.8263



28.3845, 24.2743, 40.1050



30.0157, 24.2743, 23.3029

Sweetspot

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



18.4681, 24.2753, 16.2829



42.8516, 48.1520, 45.9231



23.5571, 25.9417, 16.3364



9.3736, 10.6358, 9.9405



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.



18.4681, 24.2753, 16.2829



30.3352, 42.1596, 24.5534



18.9475, 24.4134, 21.2301



5.3865, 6.0519, 5.7736



8.8446, 17.4522, 2.9024



0.0919, 0.1707, 0.0281

Inverse Universe

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



20.8478, 17.2105, 29.0126



35.3439, 27.2713, 51.3746



20.3124, 17.0764, 22.5795



5.5775, 5.4859, 6.7937



12.4924, 5.9337, 23.4640



0.1288, 0.0615, 0.2248

Previews

White Background



This preview shows how the XYZ color 18.4675, 24.2743, 16.2824 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 18.4675, 24.2743, 16.2824 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

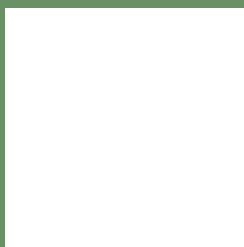
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.4675, 24.2743, 16.2824

Background



This preview shows how black text looks on a background with the XYZ color 18.4675, 24.2743, 16.2824.



This preview shows how white text looks on a background with the XYZ color 18.4675, 24.2743,

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

18.4675, 24.2743, 16.2824

Protanopia

22.4987, 24.2108, 14.7966

Deuteranopia

24.5006, 23.9895, 16.7037



Tritanopia

21.6771, 24.2447, 32.3913

Trichromacy



Original Color

18.4675, 24.2743, 16.2824

Protanomaly

20.8448, 24.1914, 15.3751

Deuteranomaly

21.8101, 23.8164, 16.5442

Tritanomaly

20.3141, 24.1227, 25.7758

Monochromacy



Original Color

18.4675, 24.2743, 16.2824

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.6006, 22.3752, 20.7385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4675, 24.2743, 16.2824 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(106, 145, 102)` looks like.

```
.text, #text, p{  
    color:rgb(106, 145, 102)  
}
```

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(106, 145, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 145, 102) }
```

Border

The CSS property to change the border of an element to XYZ 18.4675, 24.2743, 16.2824 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(106, 145, 102) }
```


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

```
.border{ border-color:rgb(106, 145, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 145, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 145, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 145, 102);  
box-shadow:4px 4px 4px 4px rgb(106, 145,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4675, 24.2743, 16.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 145, 102) }
```

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

```
.background{ background-color: rgb(106,  
145, 102) }
```

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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