

Converting Colors

XYZ(18.0304, 24.1442, 7.4329)

Have a look what the booklet for
XYZ(18.0304, 24.1442, 7.4329)
contains.

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Color

**XYZ(18.0417, 24.2493,
7.4711)**

Conversions

Conversions Part 1

Format	Color
Hex	749138
RGB	116, 145, 56
RGB Percent	45%, 57%, 22%
CMY	0.5451, 0.4314, 0.7804
CMYK	0.20, 0.00, 0.61, 0.43
HSL	80°, 44%, 39%
HSV	80°, 61%, 57%
XYZ	18.0417, 24.2493, 7.4711
YIQ	126.1830, 11.2850, -33.8270

Conversions

Conversions Part 2

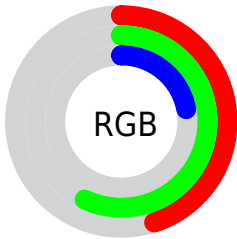
Format	Color
RYB	56, 145, 85
Decimal	7639352
CIELab	56.34, -24.44, 42.84
CIELCh	56, 49.322, 119.707
Yxy	24.2493, 0.3626, 0.4873
Android (android.graphics.Color)	4285829432 (0xFF749138)
YUV	126.1830, -34.6002, -8.9305
Hunter-Lab	49.2436, -20.7780, 25.4752

Details

The XYZ color **18.0417, 24.2493, 7.4711** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.2723, 6.8046, 27.5614**, and the grayscale version is **20.0055, 21.0474, 22.9206**.

A 20% lighter version of the original color is **39.6548, 50.4544, 21.5586**, and **6.1827, 9.1292, 1.4363** is the 20% darker color. If you saturate the color by 10%, you get **17.1252, 23.8128, 5.8378**, and if you desaturate by 10%, it is **19.0941, 24.7455, 9.6480**.

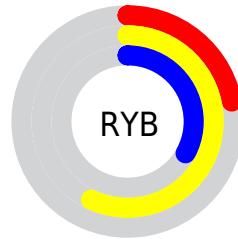
Distribution



Red (45%)

Green (57%)

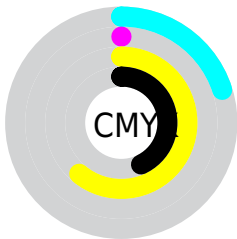
Blue (22%)



Red (22%)

Yellow (57%)

Blue (33%)

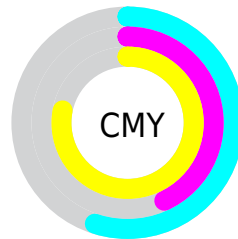


Cyan (20%)

Magenta (0%)

Yellow (61%)

Black (43%)



Cyan (55%)

Magenta (43%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0417, 24.2493, 7.4711 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 18.0417, 24.2493, 7.4711 by changing the saturation by 10% instead.

■ 18.0417, 24.2493,
7.4711

■ 18.0417, 24.2493,
7.4711

234.1470,
274.0784, 181.2995

■ 11.0798, 15.5187,
3.6755

■ 39.6379, 50.4367,
21.4437

■ 6.1882, 9.1842,
1.4491

■ 55.0029, 68.6623,
32.4577

■ 3.0016, 4.8615,
0.1796

■ 73.8996, 90.8216,
46.7151

■ 1.1546, 2.1662,
0.0000

■ 96.6935, 117.2991,
64.6342

■ 0.0701, 0.7015,
0.0000

■ 123.7498,
148.4791, 86.6337

■ 0.0000, 0.0000,
0.0000

■ 155.4339,

184.7461, 113.1320

192.1112,
226.4844, 144.5478

■ 18.0417, 24.2493,
7.4711

■ 18.0417, 24.2493,
7.4711

■ 17.1252, 23.8128,
5.8378

■ 19.0941, 24.7455,
9.6480

■ 16.3332, 23.4289,
4.6984

■ 20.2892, 25.3017,
12.4094

■ 15.6550, 23.0941,
3.9967

■ 21.6352, 25.9221,
15.7943

■ 15.1360, 22.8346,
3.6098

■ 23.1392, 26.6095,
19.8374

■ 24.8079, 27.3667,
24.5714

■ 26.6474, 28.1962,
30.0265

■ 28.6635, 29.1003,
36.2311

■ 30.8617, 30.0813,
43.2122

■ 33.2474, 31.1413,
50.9954

Harmonies

Analogous

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



23.1042, 24.2493, 5.8336



18.0417, 24.2493, 7.4711



14.8352, 24.2493, 13.5448

Triad

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



18.0417, 24.2493, 7.4711



17.9595, 24.2493, 63.7381



35.8072, 24.2493, 26.5639

Complementary

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



18.0417, 24.2493, 7.4711



10.2723, 6.8046, 27.5614

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.



33.8412, 24.2493, 45.5659



18.0417, 24.2493, 7.4711



22.9923, 24.2493, 71.7482

Square

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



18.0417, 24.2493, 7.4711



14.7935, 24.2493, 45.1678



28.9046, 24.2493, 64.0268



33.9135, 24.2493, 13.7234

Rectangle

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



18.0417, 24.2493, 7.4711



13.8746, 24.2493, 21.1924



28.9046, 24.2493, 64.0268



35.5718, 24.2493, 32.4054

Sweetspot

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



18.0423, 24.2504, 7.4716



42.3028, 48.0453, 37.9374



15.5763, 12.6752, 5.3674



9.2417, 10.6113, 7.9680



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.



18.0423, 24.2504, 7.4716



30.0504, 42.3456, 9.5023



13.5362, 21.9274, 7.2607



5.6710, 6.1985, 5.7869



13.0099, 19.5995, 3.0974



0.1476, 0.1993, 0.0307

Inverse Universe

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



10.2723, 6.8046, 27.5614



14.9281, 8.2727, 48.7835



15.5311, 9.5157, 27.8075



5.2848, 5.3350, 6.7800



5.4243, 2.2899, 23.1332



0.0731, 0.0329, 0.2222

Previews

White Background



This preview shows how the XYZ color 18.0417, 24.2493, 7.4711 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 18.0417, 24.2493, 7.4711 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 18.0417, 24.2493, 7.4711

Background



This preview shows how black text looks on a background with the XYZ color 18.0417, 24.2493, 7.4711.



This preview shows how white text looks on a background with the XYZ color 18.0417, 24.2493,

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

18.0417, 24.2493, 7.4711

Protanopia

21.8843, 24.0690, 6.8605

Deuteranopia

24.4978, 23.9908, 7.7544



Tritanopia

22.8230, 24.2269, 31.0771

Trichromacy



Original Color

18.0417, 24.2493, 7.4711

Protanomaly

20.3797, 24.1349, 7.0744

Deuteranomaly

21.5273, 23.6619, 7.5703

Tritanomaly

20.4383, 23.8911, 19.4538

Monochromacy



Original Color

18.0417, 24.2493, 7.4711

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.7625, 21.8522, 15.5409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0417, 24.2493, 7.4711 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(116, 145, 56)` looks like.

```
.text, #text, p{  
    color:rgb(116, 145, 56)  
}
```

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(116, 145, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 145, 56) }
```

Border

The CSS property to change the border of an element to XYZ 18.0417, 24.2493, 7.4711 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(116, 145, 56) }
```


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

```
.border{ border-color:rgb(116, 145, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 145, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 145, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 145, 56);  
box-shadow:4px 4px 4px 4px rgb(116, 145,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0417, 24.2493, 7.4711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 145, 56) }
```

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

```
.background{ background-color: rgb(116,  
145, 56) }
```

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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