

Converting Colors

XYZ(18.6322, 24.5149, 4.2477)

Have a look what the booklet for
XYZ(18.6322, 24.5149, 4.2477)
contains.

XYZ(18.6764, 24.6482, 4.2634)	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(18.6764, 24.6482,
4.2634)**

Conversions

Conversions Part 1

Format	Color
Hex	7D9110
RGB	125, 145, 16
RGB Percent	49%, 57%, 6%
CMY	0.5098, 0.4314, 0.9372
CMYK	0.14, 0.00, 0.89, 0.43
HSL	69°, 80%, 32%
HSV	69°, 89%, 57%
XYZ	18.6764, 24.6482, 4.2634
YIQ	124.3140, 29.4890, -44.3590

Conversions

Conversions Part 2

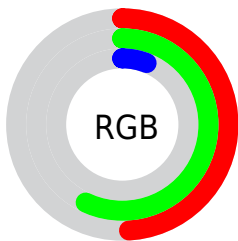
Format	Color
RYB	16, 145, 36
Decimal	8229136
CIELab	56.73, -22.81, 57.48
CIELCh	57, 61.845, 111.645
Yxy	24.6482, 0.3925, 0.5179
Android (android.graphics.Color)	4286419216 (0xFF7D9110)
YUV	124.3140, -53.3988, 0.6016
Hunter-Lab	49.6470, -19.7333, 29.6614

Details

The XYZ color **18.6764, 24.6482, 4.2634** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.0245, 2.7905, 27.0107**, and the grayscale version is **19.4298, 20.4417, 22.2610**.

A 20% lighter version of the original color is **40.7840, 51.1924, 14.5691**, and **6.7647, 9.5621, 1.4891** is the 20% darker color. If you saturate the color by 10%, you get **18.2670, 24.4479, 3.7994**, and if you desaturate by 10%, it is **19.1563, 24.8794, 5.0551**.

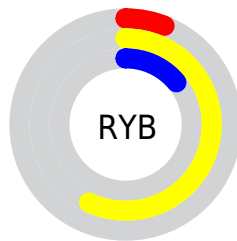
Distribution



Red (49%)

Green (57%)

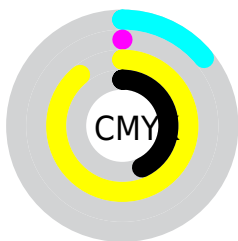
Blue (6%)



Red (6%)

Yellow (57%)

Blue (14%)

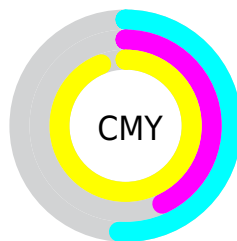


Cyan (14%)

Magenta (0%)

Yellow (89%)

Black (43%)



Cyan (51%)

Magenta (43%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6764, 24.6482, 4.2634 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 18.6764, 24.6482, 4.2634 by changing the saturation by 10% instead.

■ 18.6764, 24.6482,
4.2634

■ 18.6764, 24.6482,
4.2634

237.6290,
276.0814, 151.1095

■ 11.5393, 15.8151,
1.7709

■ 40.7077, 51.0859,
14.6128

■ 6.5008, 9.3934,
0.4087

■ 56.3326, 69.4594,
23.3069

■ 3.1954, 4.9987,
0.0000

■ 75.5175, 91.7818,
34.9051

■ 1.2579, 2.2465,
0.0000

■ 98.6277, 118.4375,
49.8263


■ 0.1514, 0.7452,
0.0000


■ 126.0286,
149.8109, 68.4887


■ 0.0000, 0.0000,
0.0000


■ 158.0855,


186.2864, 91.3110


 195.1639,
228.2485, 118.7118


 18.6764, 24.6482,
4.2634


 18.6764, 24.6482,
4.2634


 18.2670, 24.4479,
3.7994


 19.1563, 24.8794,
5.0551

 18.2255, 24.4274,
3.7544

 19.7287, 25.1476,
6.2976

 20.4046, 25.4581,
8.0456

 21.1929, 25.8143,
10.3458

 22.1014, 26.2196,
13.2395

■ 23.1374, 26.6767,
16.7641

■ 24.3073, 27.1883,
20.9540

■ 25.6173, 27.7568,
25.8409

■ 27.0730, 28.3845,
31.4547

Harmonies

Analogous

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



25.5004, 24.6482, 3.6031



18.6764, 24.6482, 4.2634



14.1501, 24.6482, 8.9691

Triad

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



18.6764, 24.6482, 4.2634



15.8340, 24.6482, 71.5708



39.9967, 24.6482, 33.0310

Complementary

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



18.6764, 24.6482, 4.2634



6.0245, 2.7905, 27.0107

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.



36.0686, 24.6482, 59.7880



18.6764, 24.6482, 4.2634



21.4699, 24.6482, 88.4120

Square

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



18.6764, 24.6482, 4.2634



12.7588, 24.6482, 44.3099



28.9226, 24.6482, 83.2501



38.8221, 24.6482, 14.6942

Rectangle

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



18.6764, 24.6482, 4.2634



12.5781, 24.6482, 16.1749



28.9226, 24.6482, 83.2501



39.2045, 24.6482, 41.3845

Sweetspot

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



18.6770, 24.6493, 4.2639



41.7116, 47.8935, 30.9963



12.3829, 7.2807, 1.2432



9.1480, 10.5968, 6.4373



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.



18.6770, 24.6493, 4.2639



32.5181, 43.6820, 6.7176



12.1536, 21.2864, 3.9586



5.7586, 6.2437, 5.7910



15.6493, 20.9601, 3.2209



0.1639, 0.2078, 0.0315

Inverse Universe

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



6.0245, 2.7905, 27.0107



9.6669, 3.9262, 48.2219



10.5360, 5.1163, 27.2218



5.2027, 5.2927, 6.7761



4.6921, 1.9125, 23.0989



0.0568, 0.0244, 0.2214

Previews

White Background



This preview shows how the XYZ color 18.6764, 24.6482, 4.2634 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 18.6764, 24.6482, 4.2634 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 18.6764, 24.6482, 4.2634

Background



This preview shows how black text looks on a background with the XYZ color 18.6764, 24.6482, 4.2634.



This preview shows how white text looks on a background with the XYZ color 18.6764, 24.6482,

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

18.6764, 24.6482, 4.2634

Protanopia

22.0137, 24.4097, 3.9321

Deuteranopia

24.8666, 24.4471, 4.5706



Tritanopia

23.9282, 24.6065, 30.2764

Trichromacy



Original Color

18.6764, 24.6482, 4.2634

Protanomaly

20.6396, 24.3366, 4.0251

Deuteranomaly

22.1553, 24.2639, 4.3798

Tritanomaly

20.9529, 24.2526, 15.1322

Monochromacy



Original Color

18.6764, 24.6482, 4.2634

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.2031, 21.4435, 11.7739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6764, 24.6482, 4.2634 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(125, 145, 16)` looks like.

```
.text, #text, p{  
    color:rgb(125, 145, 16)  
}
```

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(125, 145, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 145, 16) }
```

Border

The CSS property to change the border of an element to XYZ 18.6764, 24.6482, 4.2634 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(125, 145, 16) }
```


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

```
.border{ border-color:rgb(125, 145, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 145, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 145, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 145, 16);  
box-shadow:4px 4px 4px 4px rgb(125, 145,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6764, 24.6482, 4.2634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 145, 16) }
```

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

```
.background{ background-color: rgb(125,  
145, 16) }
```

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