

Converting Colors

XYZ(23.9641, 29.3474, 7.4624)

Have a look what the booklet for
XYZ(23.9641, 29.3474, 7.4624)
contains.

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Color

**XYZ(23.9854, 29.4525,
7.4383)**

Conversions

Conversions Part 1

Format	Color
Hex	929A32
RGB	146, 154, 50
RGB Percent	57%, 60%, 20%
CMY	0.4275, 0.3961, 0.8039
CMYK	0.05, 0.00, 0.68, 0.40
HSL	65°, 51%, 40%
HSV	65°, 68%, 60%
XYZ	23.9854, 29.4525, 7.4383
YIQ	139.7520, 28.6160, -34.0400

Conversions

Conversions Part 2

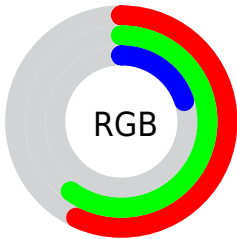
Format	Color
RYB	50, 154, 58
Decimal	9607730
CIELab	61.18, -16.70, 51.31
CIELCh	61, 53.958, 108.032
Yxy	29.4525, 0.3940, 0.4838
Android (android.graphics.Color)	4287797810 (0xFF929A32)
YUV	139.7520, -44.2477, 5.4795
Hunter-Lab	54.2702, -16.0824, 29.8628

Details

The XYZ color **23.9854, 29.4525, 7.4383** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.7192, 5.5145, 31.1785**, and the grayscale version is **24.9902, 26.2916, 28.6315**.

A 20% lighter version of the original color is **49.3113, 58.6276, 21.2877**, and **9.2639, 11.9758, 1.8233** is the 20% darker color. If you saturate the color by 10%, you get **23.4982, 29.2345, 5.9637**, and if you desaturate by 10%, it is **24.5880, 29.7191, 9.5029**.

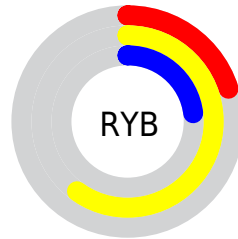
Distribution



Red (57%)

Green (60%)

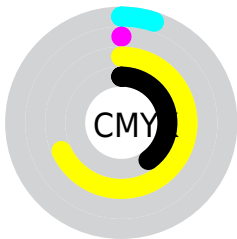
Blue (20%)



Red (20%)

Yellow (60%)

Blue (23%)

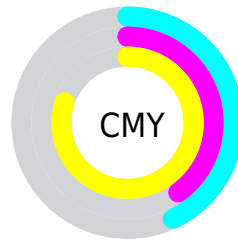


Cyan (5%)

Magenta (0%)

Yellow (68%)

Black (40%)



Cyan (43%)

Magenta (40%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9854, 29.4525, 7.4383 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 23.9854, 29.4525, 7.4383 by changing the saturation by 10% instead.

■ 23.9854, 29.4525,
7.4383

■ 23.9854, 29.4525,
7.4383

■ 265.1885,
299.3440, 181.0243

■ 15.4475, 19.4234,
3.6551

■ 49.4612, 58.7953,
21.3774

■ 9.2224, 11.9766,
1.4381

■ 67.1298, 78.8777,
32.3704

■ 4.9448, 6.7278,
0.1712

■ 88.5727, 103.0800,
46.6037

■ 2.2493, 3.2924,
0.0000

■ 114.1552,
131.7867, 64.4959

■ 0.7685, 1.2862,
0.0000

■ 144.2427,
165.3820, 86.4655

■ 0.0000, 0.1305,
0.0000

■ 179.2005,

■ 0.0000, 0.0000,

204.2504, 112.9311

0.0000

219.3940,
248.7763, 144.3112

■ 23.9854, 29.4525,
7.4383

■ 23.9854, 29.4525,
7.4383

■ 23.4982, 29.2345,
5.9637

■ 24.5880, 29.7191,
9.5029

■ 23.1125, 29.0562,
5.0154

■ 25.3140, 30.0342,
12.2091

■ 22.8088, 28.9110,
4.4874

■ 26.1731, 30.4028,
15.6046

■ 22.7376, 28.8767,
4.3754

■ 27.1734, 30.8282,
19.7323

■ 28.3225, 31.3133,
24.6317

■ 29.6272, 31.8609,
30.3393

■ 31.0941, 32.4737,
36.8894

■ 32.7294, 33.1540,
44.3143

■ 34.5388, 33.9043,
52.6444

Harmonies

Analogous

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



30.9145, 29.4525, 7.0424



23.9854, 29.4525, 7.4383



19.0381, 29.4525, 12.4157

Triad

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



23.9854, 29.4525, 7.4383



19.8369, 29.4525, 70.6981



43.5455, 29.4525, 40.8580

Complementary

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



23.9854, 29.4525, 7.4383



8.7192, 5.5145, 31.1785

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.



39.3921, 29.4525, 65.8700



23.9854, 29.4525, 7.4383



25.2629, 29.4525, 87.3727

Square

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



23.9854, 29.4525, 7.4383



16.9361, 29.4525, 45.7236



32.4254, 29.4525, 85.3059



43.0468, 29.4525, 21.4454

Rectangle

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



23.9854, 29.4525, 7.4383



17.1661, 29.4525, 19.5767



32.4254, 29.4525, 85.3059



42.6218, 29.4525, 48.9885

Sweetspot

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



23.9861, 29.4539, 7.4389



50.8197, 56.6155, 42.0416



15.3630, 10.0207, 4.1424



11.3777, 12.7619, 8.9814



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.9861, 29.4539, 7.4389



42.3053, 52.9301, 9.8439



16.8587, 25.7795, 7.1054



6.6620, 7.1987, 6.6442



18.5373, 23.5322, 3.5652



0.2892, 0.3580, 0.0539

Inverse Universe

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



8.7192, 5.5145, 31.1785



12.6545, 6.3417, 56.0934



13.2727, 7.8619, 31.3916



5.9264, 6.0479, 7.7840



4.8874, 1.9706, 25.0305



0.0833, 0.0347, 0.3747

Previews

White Background



This preview shows how the XYZ color 23.9854, 29.4525, 7.4383 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 23.9854, 29.4525, 7.4383 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 23.9854, 29.4525, 7.4383

Background



This preview shows how black text looks on a background with the XYZ color 23.9854, 29.4525, 7.4383.



This preview shows how white text looks on a background with the XYZ color 23.9854, 29.4525,

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

23.9854, 29.4525, 7.4383

Protanopia

26.6405, 29.3925, 7.0655

Deuteranopia

29.8348, 29.2223, 7.6824



Tritanopia

29.6000, 29.3810, 35.1214

Trichromacy



Original Color

23.9854, 29.4525, 7.4383

Protanomaly

25.5613, 29.3035, 7.2147

Deuteranomaly

27.3456, 29.0539, 7.5349

Tritanomaly

26.7497, 29.1396, 21.0443

Monochromacy



Original Color

23.9854, 29.4525, 7.4383

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.9346, 27.0631, 17.8721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9854, 29.4525, 7.4383 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(146, 154, 50)` looks like.

```
.text, #text, p{  
    color:rgb(146, 154, 50)  
}
```

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(146, 154, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 154, 50) }
```

Border

The CSS property to change the border of an element to XYZ 23.9854, 29.4525, 7.4383 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(146, 154, 50) }
```


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

```
.border{ border-color:rgb(146, 154, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 154, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 154, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 154, 50);  
box-shadow:4px 4px 4px 4px rgb(146, 154,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9854, 29.4525, 7.4383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 154, 50) }
```

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

```
.background{ background-color: rgb(146,  
154, 50) }
```

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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