

Converting Colors

XYZ(24.6950, 30.7630, 7.2459)

Have a look what the booklet for
XYZ(24.6950, 30.7630, 7.2459)
contains.

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Color

**XYZ(24.7526, 30.8540,
7.2356)**

Conversions

Conversions Part 1

Format	Color
Hex	939E2E
RGB	147, 158, 46
RGB Percent	58%, 62%, 18%
CMY	0.4235, 0.3804, 0.8196
CMYK	0.07, 0.00, 0.71, 0.38
HSL	66°, 55%, 40%
HSV	66°, 71%, 62%
XYZ	24.7526, 30.8540, 7.2356
YIQ	141.9430, 29.3960, -37.1640

Conversions

Conversions Part 2

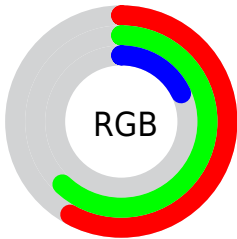
Format	Color
RYB	46, 158, 57
Decimal	9674286
CIELab	62.38, -18.56, 54.14
CIELCh	62, 57.230, 108.928
Yxy	30.8540, 0.3939, 0.4910
Android (android.graphics.Color)	4287864366 (0xFF939E2E)
YUV	141.9430, -47.2999, 4.4350
Hunter-Lab	55.5464, -17.6629, 31.1592

Details

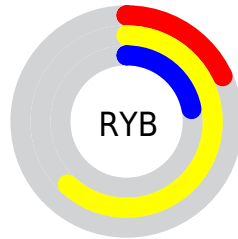
The XYZ color **24.7526, 30.8540, 7.2356** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.8369, 5.2932, 32.9055**, and the grayscale version is **25.8624, 27.2093, 29.6309**.

A 20% lighter version of the original color is **50.9482, 61.3267, 20.9564**, and **9.7719, 12.8425, 1.9638** is the 20% darker color. If you saturate the color by 10%, you get **24.2205, 30.6103, 5.8738**, and if you desaturate by 10%, it is **25.4045, 31.1483, 9.2026**.

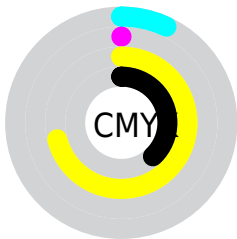
Distribution



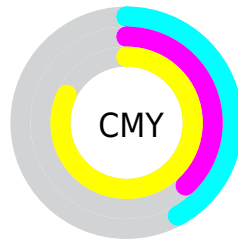
- Red (58%)
- Green (62%)
- Blue (18%)



- Red (18%)
- Yellow (62%)
- Blue (22%)



- Cyan (7%)
- Magenta (0%)
- Yellow (71%)
- Black (38%)



- Cyan (42%)
- Magenta (38%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7526, 30.8540, 7.2356 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 24.7526, 30.8540, 7.2356 by changing the saturation by 10% instead.

■ 24.7526, 30.8540,
7.2356

■ 24.7526, 30.8540,
7.2356

268.9740,
305.8651, 179.3118

■ 16.0206, 20.4877,
3.5292

■ 50.7014, 61.0101,
20.9665

■ 9.6297, 12.7500,
1.3708

■ 68.6488, 81.5688,
31.8281

■ 5.2145, 7.2567,
0.1188

■ 90.3988, 106.2936,
45.9119

■ 2.4097, 3.6231,
0.0000

■ 116.3167,
135.5691, 63.6363

■ 0.8499, 1.4651,
0.0000

■ 146.7678,
169.7796, 85.4200

■ 0.0000, 0.2639,
0.0000

■ 182.1175,

■ 0.0000, 0.0000,

209.3095, 111.6814

0.0000

222.7311,
254.5432, 142.8392

■ 24.7526, 30.8540,
7.2356

■ 24.7526, 30.8540,
7.2356

■ 24.2205, 30.6103,
5.8738

■ 25.4045, 31.1483,
9.2026

■ 23.7928, 30.4077,
5.0452

■ 26.1855, 31.4935,
11.8324

■ 23.4653, 30.2484,
4.6018

■ 27.1061, 31.8950,
15.1780

■ 28.1754, 32.3564,
19.2865

■ 29.4015, 32.8810,
24.2011

■ 30.7921, 33.4718,
29.9617

■ 32.3542, 34.1317,
36.6055

■ 34.0945, 34.8632,
44.1675

■ 36.0194, 35.6691,
52.6809

Harmonies

Analogous

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



32.2819, 30.8540, 6.7054



24.7526, 30.8540, 7.2356



19.4648, 30.8540, 12.6320

Triad

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



24.7526, 30.8540, 7.2356



20.5840, 30.8540, 77.1349



46.5167, 30.8540, 42.4760

Complementary

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



24.7526, 30.8540, 7.2356



8.8369, 5.2932, 32.9055

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.



42.0562, 30.8540, 70.1610



24.7526, 30.8540, 7.2356



26.5559, 30.8540, 95.2981

Square

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



24.7526, 30.8540, 7.2356



17.3672, 30.8540, 49.4275



34.4302, 30.8540, 92.2978



45.8018, 30.8540, 21.5653

Rectangle

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



24.7526, 30.8540, 7.2356



17.5021, 30.8540, 20.4673



34.4302, 30.8540, 92.2978



45.5454, 30.8540, 51.3951

Sweetspot

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



24.7533, 30.8554, 7.2362



53.2656, 59.6553, 43.4396



15.9769, 10.2314, 3.7180



11.8733, 13.3914, 9.2445



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



24.7533, 30.8554, 7.2362



43.5117, 55.3639, 9.6881



17.2017, 26.9624, 6.8828



7.1059, 7.6872, 7.0949



18.8107, 24.2340, 3.6862



0.3531, 0.4419, 0.0667

Inverse Universe

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



8.8369, 5.2932, 32.9055



12.9270, 6.0961, 59.2388



13.7472, 7.8245, 33.1353



6.3422, 6.4649, 8.3203



5.1244, 2.0707, 26.0368



0.1072, 0.0451, 0.4663

Previews

White Background



This preview shows how the XYZ color 24.7526, 30.8540, 7.2356 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 24.7526, 30.8540, 7.2356 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 ✓ Pass

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

XYZ 24.7526, 30.8540, 7.2356

Background



This preview shows how black text looks on a background with the XYZ color 24.7526, 30.8540, 7.2356.



This preview shows how white text looks on a background with the XYZ color 24.7526, 30.8540,

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

24.7526, 30.8540, 7.2356

Protanopia

27.8834, 30.7501, 6.8486

Deuteranopia

31.1813, 30.5842, 7.5087



Tritanopia

30.9485, 30.9521, 37.1441

Trichromacy



Original Color

24.7526, 30.8540, 7.2356

Protanomaly

26.7272, 30.8777, 7.0339

Deuteranomaly

28.3992, 30.2943, 7.3682

Tritanomaly

27.8247, 30.6345, 21.5861

Monochromacy



Original Color

24.7526, 30.8540, 7.2356

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.7453, 28.1706, 18.0432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7526, 30.8540, 7.2356 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(147, 158, 46)` looks like.

```
.text, #text, p{  
    color:rgb(147, 158, 46)  
}
```

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(147, 158, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 158, 46) }
```

Border

The CSS property to change the border of an element to XYZ 24.7526, 30.8540, 7.2356 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(147, 158, 46) }
```


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

```
.border{ border-color:rgb(147, 158, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 158, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 158, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 158, 46);  
box-shadow:4px 4px 4px 4px rgb(147, 158,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7526, 30.8540, 7.2356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 158, 46) }
```

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

```
.background{ background-color: rgb(147,  
158, 46) }
```

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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