

Converting Colors

XYZ(24.0828, 29.5892, 9.4228)

Have a look what the booklet for
XYZ(24.0828, 29.5892, 9.4228)
contains.

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Color

**XYZ(24.1771, 29.7536,
9.4698)**

Conversions

Conversions Part 1

Format	Color
Hex	909B41
RGB	144, 155, 65
RGB Percent	56%, 61%, 25%
CMY	0.4353, 0.3921, 0.7451
CMYK	0.07, 0.00, 0.58, 0.39
HSL	67°, 41%, 43%
HSV	67°, 58%, 61%
XYZ	24.1771, 29.7536, 9.4698
YIQ	141.4510, 22.3340, -30.3220

Conversions

Conversions Part 2

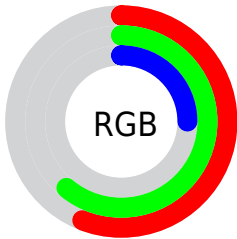
Format	Color
RYB	65, 155, 76
Decimal	9476929
CIELab	61.44, -16.99, 44.91
CIELCh	61, 48.015, 110.726
Yxy	29.7536, 0.3813, 0.4693
Android (android.graphics.Color)	4287667009 (0xFF909B41)
YUV	141.4510, -37.6903, 2.2355
Hunter-Lab	54.5469, -16.3395, 27.8896

Details

The XYZ color **24.1771, 29.7536, 9.4698** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.7882, 7.6844, 31.9267**, and the grayscale version is **25.6328, 26.9677, 29.3678**.

A 20% lighter version of the original color is **49.7723, 59.1412, 25.3151**, and **9.3251, 12.1489, 2.1701** is the 20% darker color. If you saturate the color by 10%, you get **23.4604, 29.4301, 7.4057**, and if you desaturate by 10%, it is **25.0240, 30.1320, 12.1844**.

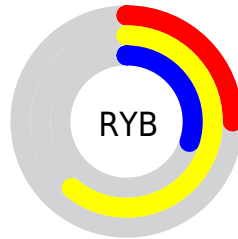
Distribution



Red (56%)

Green (61%)

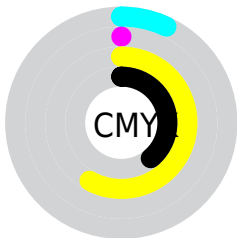
Blue (25%)



Red (25%)

Yellow (61%)

Blue (30%)

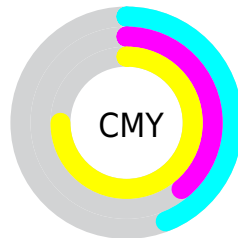


Cyan (7%)

Magenta (0%)

Yellow (58%)

Black (39%)



Cyan (44%)

Magenta (39%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1771, 29.7536, 9.4698 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 24.1771, 29.7536, 9.4698 by changing the saturation by 10% instead.

■ 24.1771, 29.7536,
9.4698

■ 24.1771, 29.7536,
9.4698

266.1385,
300.7542, 197.1902

■ 15.5905, 19.6516,
4.9479

■ 49.7716, 59.2723,
25.3854

■ 9.3238, 12.1421,
2.1585

■ 67.5102, 79.4578,
37.6161

■ 5.0118, 6.8405,
0.6503

■ 89.0303, 103.7733,
53.2536

■ 2.2890, 3.3626,
0.0000

■ 114.6970,
132.6032, 72.7163

■ 0.7890, 1.3238,
0.0000

■ 144.8758,
166.3318, 96.4228

■ 0.0000, 0.1595,
0.0000

179.9321,

■ 0.0000, 0.0000,

205.3436, 124.7915

0.0000

220.2312,
250.0229, 158.2412

■ 24.1771, 29.7536,
9.4698

■ 24.1771, 29.7536,
9.4698

■ 23.4604, 29.4301,
7.4057

■ 25.0240, 30.1320,
12.1844

■ 22.8613, 29.1532,
5.9357

■ 26.0083, 30.5649,
15.5960

■ 22.3687, 28.9195,
4.9971

■ 27.1389, 31.0570,
19.7490

■ 21.9600, 28.7200,
4.4723

■ 28.4236, 31.6114,
24.6837

■ 21.8839, 28.6826,
4.3829

■ 29.8693, 32.2309,
30.4372

■ 31.4828, 32.9181,
37.0445

■ 33.2704, 33.6756,
44.5386

■ 35.2380, 34.5058,
52.9505

■ 37.3912, 35.4108,
62.3099

Harmonies

Analogous

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



30.2925, 29.7536, 8.6968



24.1771, 29.7536, 9.4698



19.8456, 29.7536, 14.9263

Triad

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



24.1771, 29.7536, 9.4698



21.2367, 29.7536, 67.6839



42.1149, 29.7536, 38.3617

Complementary

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



24.1771, 29.7536, 9.4698



10.7882, 7.6844, 31.9267

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.



38.8182, 29.7536, 59.9399



24.1771, 29.7536, 9.4698



26.3585, 29.7536, 80.5808

Square

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



24.1771, 29.7536, 9.4698



18.3327, 29.7536, 46.4067



32.8224, 29.7536, 77.3123



41.2983, 29.7536, 21.5349

Rectangle

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



24.1771, 29.7536, 9.4698



18.2536, 29.7536, 22.1753



32.8224, 29.7536, 77.3123



41.4346, 29.7536, 45.3567

Sweetspot

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



24.1778, 29.7550, 9.4704



51.0805, 56.6868, 44.9073



17.0228, 12.4513, 6.5076



11.4602, 12.7871, 9.7672



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.



24.1778, 29.7550, 9.4704



41.6361, 52.5305, 12.2804



17.8769, 26.5067, 9.1755



6.6346, 7.1846, 6.6429



17.5977, 23.0478, 3.5212



0.2813, 0.3540, 0.0535

Inverse Universe

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



10.7882, 7.6844, 31.9267



15.3498, 9.1218, 56.4879



15.6229, 10.1768, 32.1529



5.9512, 6.0607, 7.7851



4.9859, 2.0214, 25.0351



0.0906, 0.0385, 0.3750

Previews

White Background



This preview shows how the XYZ color 24.1771, 29.7536, 9.4698 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 24.1771, 29.7536, 9.4698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

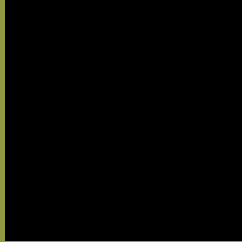
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.1771, 29.7536, 9.4698

Background



This preview shows how black text looks on a background with the XYZ color 24.1771, 29.7536, 9.4698.



This preview shows how white text looks on a background with the XYZ color 24.1771, 29.7536,

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

24.1771, 29.7536, 9.4698

Protanopia

27.0042, 29.5380, 8.9808

Deuteranopia

30.1275, 29.5467, 9.7454



Tritanopia

29.5376, 29.5551, 36.0462

Trichromacy



Original Color

24.1771, 29.7536, 9.4698

Protanomaly

25.8966, 29.6715, 9.2128

Deuteranomaly

27.6845, 29.4101, 9.6864

Tritanomaly

26.9632, 29.4342, 23.3290

Monochromacy



Original Color

24.1771, 29.7536, 9.4698

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.4148, 27.5008, 19.6442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1771, 29.7536, 9.4698 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(144, 155, 65)` looks like.

```
.text, #text, p{  
    color:rgb(144, 155, 65)  
}
```

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(144, 155, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 155, 65) }
```

Border

The CSS property to change the border of an element to XYZ 24.1771, 29.7536, 9.4698 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(144, 155, 65) }
```


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

```
.border{ border-color:rgb(144, 155, 65) }
```

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

Here you see how a box with a 4 pixel rgb(144, 155, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 155, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 155, 65);  
box-shadow:4px 4px 4px 4px rgb(144, 155,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1771, 29.7536, 9.4698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 155, 65) }
```

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

```
.background{ background-color: rgb(144,  
155, 65) }
```

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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