

Converting Colors

XYZ(24.8813, 31.8216, 10.3979)

Have a look what the booklet for
XYZ(24.8813, 31.8216, 10.3979)
contains.

XYZ(24.9790, 31.9331, 10.4774)	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(24.9790, 31.9331,
10.4774)**

Conversions

Conversions Part 1

Format	Color
Hex	8DA245
RGB	141, 162, 69
RGB Percent	55%, 64%, 27%
CMY	0.4471, 0.3647, 0.7294
CMYK	0.13, 0.00, 0.57, 0.36
HSL	74°, 40%, 45%
HSV	74°, 57%, 64%
XYZ	24.9790, 31.9331, 10.4774
YIQ	145.1190, 17.3370, -33.3750

Conversions

Conversions Part 2

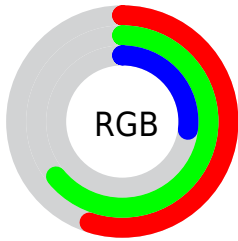
Format	Color
RYB	69, 162, 90
Decimal	9282117
CIELab	63.29, -21.49, 45.05
CIELCh	63, 49.915, 115.498
Yxy	31.9331, 0.3707, 0.4739
Android (android.graphics.Color)	4287472197 (0xFF8DA245)
YUV	145.1190, -37.5267, -3.6124
Hunter-Lab	56.5094, -19.9886, 28.5636

Details

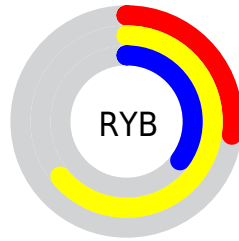
The XYZ color **24.9790, 31.9331, 10.4774** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.8674, 9.0394, 35.2510**, and the grayscale version is **27.1057, 28.5173, 31.0553**.

A 20% lighter version of the original color is **50.9680, 62.7175, 27.1887**, and **9.6940, 13.2640, 2.5395** is the 20% darker color. If you saturate the color by 10%, you get **23.9316, 31.4446, 8.1524**, and if you desaturate by 10%, it is **26.1858, 32.4900, 13.5278**.

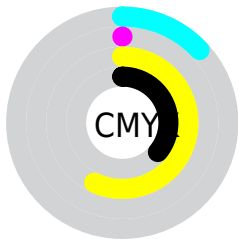
Distribution



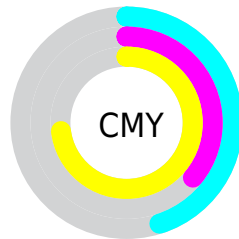
- Red (55%)
- Green (64%)
- Blue (27%)



- Red (27%)
- Yellow (64%)
- Blue (35%)



- Cyan (13%)
- Magenta (0%)
- Yellow (57%)
- Black (36%)



- Cyan (45%)
- Magenta (36%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9790, 31.9331, 10.4774 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 24.9790, 31.9331, 10.4774 by changing the saturation by 10% instead.

■ 24.9790, 31.9331,
10.4774

■ 24.9790, 31.9331,
10.4774

270.0829,
310.8144, 204.6533

■ 16.1901, 21.3104,
5.6069

■ 51.0663, 62.7062,
27.3114

■ 9.7504, 13.3511,
2.5427

■ 69.0954, 83.6254,
40.1119

■ 5.2948, 7.6707,
0.8626

■ 90.9352, 108.7455,
56.3929

■ 2.4578, 3.8850,
0.0000

■ 116.9511,
138.4510, 76.5729

■ 0.8740, 1.6094,
0.0000

■ 147.5085,
173.1263, 101.0704

■ 0.0000, 0.3640,
0.0000

182.9726,

■ 0.0000, 0.0000,

213.1556, 130.3039

0.0000

223.7090,
258.9236, 164.6920

■ 24.9790, 31.9331,
10.4774

■ 24.9790, 31.9331,
10.4774

■ 23.9316, 31.4446,
8.1524

■ 26.1858, 32.4900,
13.5278

■ 23.0296, 31.0155,
6.4905

■ 27.5601, 33.1152,
17.3551

■ 22.2604, 30.6417,
5.4219

■ 29.1121, 33.8139,
22.0088

■ 21.6020, 30.3147,
4.8334

■ 30.8503, 34.5895,
27.5333

■ 21.4392, 30.2334,
4.7057

■ 32.7830, 35.4454,
33.9700

■ 34.9175, 36.3844,
41.3577

■ 37.2611, 37.4096,
49.7330

■ 39.8204, 38.5237,
59.1304

■ 42.6019, 39.7291,
69.5828

Harmonies

Analogous

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



31.4074, 31.9331, 8.9444



24.9790, 31.9331, 10.4774



20.6580, 31.9331, 17.3501

Triad

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



24.9790, 31.9331, 10.4774



23.4244, 31.9331, 76.5497



45.6335, 31.9331, 37.8461

Complementary

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



24.9790, 31.9331, 10.4774



12.8674, 9.0394, 35.2510

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.



42.6832, 31.9331, 61.1136



24.9790, 31.9331, 10.4774



29.3194, 31.9331, 88.2377

Square

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



24.9790, 31.9331, 10.4774



19.8607, 31.9331, 53.8774



36.4438, 31.9331, 81.7220



44.0071, 31.9331, 20.8162

Rectangle

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



24.9790, 31.9331, 10.4774



19.2110, 31.9331, 26.0775



36.4438, 31.9331, 81.7220



45.1330, 31.9331, 45.2062

Sweetspot

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



24.9798, 31.9345, 10.4781



56.0314, 62.8038, 50.0722



19.5605, 15.2818, 7.5494



12.4442, 14.0431, 10.7914



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.9798, 31.9345, 10.4781



42.9415, 56.8450, 13.8033



18.7514, 28.7237, 10.1866



7.4922, 8.1562, 7.5595



16.9277, 23.8370, 3.7088



0.3922, 0.5197, 0.0796

Inverse Universe

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



12.8674, 9.0394, 35.2510



18.8666, 11.2169, 63.2268



18.7475, 12.0707, 35.5262



6.8432, 6.9335, 8.8807



5.7596, 2.3756, 27.0848



0.1584, 0.0692, 0.5709

Previews

White Background



This preview shows how the XYZ color 24.9790, 31.9331, 10.4774 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 24.9790, 31.9331, 10.4774 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 24.9790, 31.9331, 10.4774

Background



This preview shows how black text looks on a background with the XYZ color 24.9790, 31.9331, 10.4774.



This preview shows how white text looks on a background with the XYZ color 24.9790, 31.9331,

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

24.9790, 31.9331, 10.4774

Protanopia

28.9522, 31.7219, 9.7512

Deuteranopia

32.5012, 31.8710, 10.9173



Tritanopia

30.8780, 31.8122, 39.6349

Trichromacy



Original Color

24.9790, 31.9331, 10.4774

Protanomaly

27.1997, 31.5531, 9.9670

Deuteranomaly

29.4112, 31.6950, 10.6985

Tritanomaly

28.0637, 31.6578, 25.4003

Monochromacy



Original Color

24.9790, 31.9331, 10.4774

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.7791, 29.3469, 21.1354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9790, 31.9331, 10.4774 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(141, 162, 69)` looks like.

```
.text, #text, p{  
    color:rgb(141, 162, 69)  
}
```

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(141, 162, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 162, 69) }
```

Border

The CSS property to change the border of an element to XYZ 24.9790, 31.9331, 10.4774 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(141, 162, 69) }
```


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

```
.border{ border-color:rgb(141, 162, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 162, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 162, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 162, 69);  
box-shadow:4px 4px 4px 4px rgb(141, 162,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9790, 31.9331, 10.4774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 162, 69) }
```

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

```
.background{ background-color: rgb(141,  
162, 69) }
```

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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