

Converting Colors

XYZ(31.4210, 33.4435, 11.8204)

Have a look what the booklet for
XYZ(31.4210, 33.4435, 11.8204)
contains.

XYZ(31.4210, 33.4435, 11.8204)	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(31.4210, 33.4435,
11.8204)**

Conversions

Conversions Part 1

Format	Color
Hex	B29B4D
RGB	178, 155, 77
RGB Percent	70%, 61%, 30%
CMY	0.3020, 0.3921, 0.6980
CMYK	0.00, 0.13, 0.57, 0.30
HSL	46°, 40%, 50%
HSV	46°, 57%, 70%
XYZ	31.4210, 33.4435, 11.8204
YIQ	152.9850, 38.7460, -19.3820

Conversions

Conversions Part 2

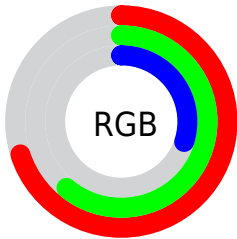
Format	Color
RYB	107, 178, 77
Decimal	11705165
CIELab	64.52, -1.34, 43.42
CIELCh	65, 43.437, 91.764
Yxy	33.4435, 0.4097, 0.4361
Android (android.graphics.Color)	4289895245 (0xFFB29B4D)
YUV	152.9850, -37.4606, 21.9382
Hunter-Lab	57.8304, -4.2186, 28.3625

Details

The XYZ color **31.4210, 33.4435, 11.8204** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **15.6535, 13.9060, 43.9784**, and the grayscale version is **30.4186, 32.0027, 34.8510**.

A 20% lighter version of the original color is **61.2888, 64.9923, 29.7366**, and **13.3165, 14.1907, 3.0741** is the 20% darker color. If you saturate the color by 10%, you get **30.2136, 31.9006, 8.7303**, and if you desaturate by 10%, it is **32.8246, 35.1036, 15.8251**.

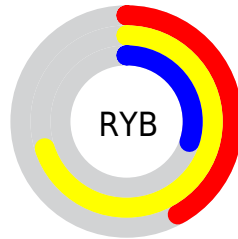
Distribution



Red (70%)

Green (61%)

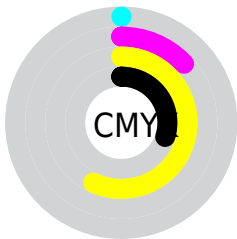
Blue (30%)



Red (42%)

Yellow (70%)

Blue (30%)

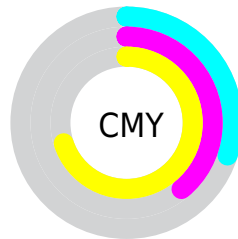


Cyan (0%)

Magenta (13%)

Yellow (57%)

Black (30%)



Cyan (30%)

Magenta (39%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4210, 33.4435, 11.8204 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 31.4210, 33.4435, 11.8204 by changing the saturation by 10% instead.

■ 31.4210, 33.4435,
11.8204

■ 31.4210, 33.4435,
11.8204

300.2656,
317.6435, 214.1482

■ 21.0730, 22.4664,
6.5005

■ 61.2736, 65.0673,
29.8271

■ 13.2902, 14.2000,
3.0780

■ 81.5090, 86.4829,
43.3509

■ 7.7070, 8.2599,
1.1346

■ 105.7709,
112.1466, 60.4464

■ 3.9583, 4.2617,
0.0000

■ 134.4247,
142.4431, 81.5321

■ 1.6786, 1.8210,
0.0000

■ 167.8357,
177.7566, 107.0266

■ 0.4428, 0.5002,
0.0000

206.3692,

■ 0.0000, 0.0000,

218.4716, 137.3484

0.0000

250.3908,
264.9724, 172.9161

■ 31.4210, 33.4435,
11.8204

■ 31.4210, 33.4435,
11.8204

■ 30.2136, 31.9006,
8.7303

■ 32.8246, 35.1036,
15.8251

■ 29.1854, 30.4641,
6.4768

■ 34.4351, 36.8818,
20.8096

■ 28.3203, 29.1282,
4.9723

■ 36.2649, 38.7846,
26.8358

■ 27.5946, 27.8833,
4.0943

■ 38.3250, 40.8167,
33.9595

■ 27.3731, 27.4911,
3.8636

■ 40.6253, 42.9826,
42.2328

■ 43.1755, 45.2862,
51.7043

■ 45.9842, 47.7316,
62.4200

■ 49.0600, 50.3223,
74.4232

■ 52.4110, 53.0619,
87.7553

Harmonies

Analogous

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



37.7744, 33.4435, 13.8389



31.4210, 33.4435, 11.8204



25.9090, 33.4435, 14.3984

Triad

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



31.4210, 33.4435, 11.8204



22.6811, 33.4435, 57.5346



43.5039, 33.4435, 55.0972

Complementary

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



31.4210, 33.4435, 11.8204



15.6535, 13.9060, 43.9784

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.



38.4930, 33.4435, 73.8923



31.4210, 33.4435, 11.8204



26.4683, 33.4435, 75.5919

Square

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



31.4210, 33.4435, 11.8204



21.2878, 33.4435, 37.4768



32.1559, 33.4435, 82.3777



45.2709, 33.4435, 35.3720

Rectangle

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



31.4210, 33.4435, 11.8204



23.3038, 33.4435, 19.0918



32.1559, 33.4435, 82.3777



42.1134, 33.4435, 61.9297

Sweetspot

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



31.4218, 33.4451, 11.8211



69.2822, 73.8086, 60.8142



23.3419, 15.7042, 14.0023



15.1793, 16.1872, 12.8765



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.4218, 33.4451, 11.8211



54.3075, 57.1978, 14.7018



30.0349, 38.9622, 12.9591



9.0297, 9.5720, 9.0242



19.6348, 19.7682, 2.7808



0.6581, 0.7027, 0.1009

Inverse Universe

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



15.6535, 13.9060, 43.9784



23.0120, 18.4863, 78.7365



16.3913, 11.4616, 43.4677



8.1938, 8.5337, 10.7216



6.3459, 3.4923, 30.4766



0.2439, 0.1984, 0.9737

Previews

White Background



This preview shows how the XYZ color 31.4210, 33.4435, 11.8204 looks on a white background.

Color Contrast Check

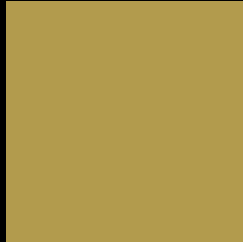
Large Text (above 18pt) WCAG AA × Fail

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 31.4210, 33.4435, 11.8204 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 31.4210, 33.4435, 11.8204

Background



This preview shows how black text looks on a background with the XYZ color 31.4210, 33.4435, 11.8204.



This preview shows how white text looks on a background with the XYZ color 31.4210, 33.4435,

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

31.4210, 33.4435, 11.8204

Protanopia

30.6657, 33.5482, 12.0669

Deuteranopia

34.1149, 33.3824, 11.8531



Tritanopia

36.3723, 33.3064, 36.4100

Trichromacy



Original Color

31.4210, 33.4435, 11.8204

Protanomaly

30.9428, 33.4410, 12.0316

Deuteranomaly

33.1808, 33.3746, 11.9009

Tritanomaly

33.9351, 32.9985, 25.0028

Monochromacy



Original Color

31.4210, 33.4435, 11.8204

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1576, 32.2733, 24.0419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4210, 33.4435, 11.8204 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(178, 155, 77)` looks like.

```
.text, #text, p{  
    color:rgb(178, 155, 77)  
}
```

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(178, 155, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 155, 77) }
```

Border

The CSS property to change the border of an element to XYZ 31.4210, 33.4435, 11.8204 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(178, 155, 77) }
```


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

```
.border{ border-color:rgb(178, 155, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 155, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 155, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 155, 77);  
box-shadow:4px 4px 4px 4px rgb(178, 155,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4210, 33.4435, 11.8204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 155, 77) }
```

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

```
.background{ background-color: rgb(178,  
155, 77) }
```

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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