

Converting Colors

XYZ(31.7815, 34.1133, 25.1600)

Have a look what the booklet for
XYZ(31.7815, 34.1133, 25.1600)
contains.

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Color

**XYZ(31.8490, 34.1192,
25.3291)**

Conversions

Conversions Part 1

Format	Color
Hex	A69E80
RGB	166, 158, 128
RGB Percent	65%, 62%, 50%
CMY	0.3490, 0.3804, 0.4980
CMYK	0.00, 0.05, 0.23, 0.35
HSL	47°, 18%, 58%
HSV	47°, 23%, 65%
XYZ	31.8490, 34.1192, 25.3291
YIQ	156.9720, 14.3980, -7.6340

Conversions

Conversions Part 2

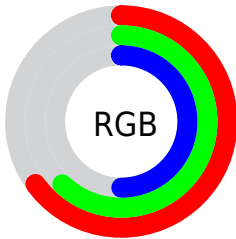
Format	Color
RYB	138, 166, 128
Decimal	10919552
CIELab	65.06, -2.10, 16.75
CIElCh	65, 16.881, 97.134
Yxy	34.1192, 0.3488, 0.3737
Android (android.graphics.Color)	4289109632 (0xFFA69E80)
YUV	156.9720, -14.2832, 7.9176
Hunter-Lab	58.4116, -4.8931, 15.1782

Details

The XYZ color **31.8490, 34.1192, 25.3291** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.5890, 24.9501, 39.5964**, and the grayscale version is **32.0936, 33.7650, 36.7701**.

A 20% lighter version of the original color is **61.9535, 66.2968, 53.2473**, and **13.6084, 14.6573, 9.5090** is the 20% darker color. If you saturate the color by 10%, you get **30.2575, 32.5439, 19.8419**, and if you desaturate by 10%, it is **33.6380, 35.8030, 31.7649**.

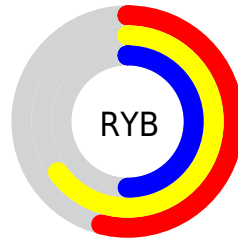
Distribution



Red (65%)

Green (62%)

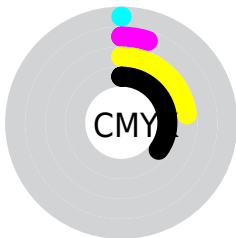
Blue (50%)



Red (54%)

Yellow (65%)

Blue (50%)

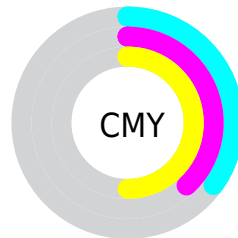


Cyan (0%)

Magenta (5%)

Yellow (23%)

Black (35%)



Cyan (35%)

Magenta (38%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8490, 34.1192, 25.3291 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 31.8490, 34.1192, 25.3291 by changing the saturation by 10% instead.

■ 31.8490, 34.1192,
25.3291

■ 31.8490, 34.1192,
25.3291

302.1883,
320.6632, 292.9729

■ 21.4012, 22.9852,
16.1012

■ 61.9411, 66.1190,
53.1613

■ 13.5317, 14.5826,
9.4406

■ 82.3161, 87.7536,
72.6027

■ 7.8752, 8.5270,
4.9290

■ 106.7308,
113.6571, 96.2857

■ 4.0663, 4.4339,
2.1476

135.5507,
144.2140, 124.6288

■ 1.7397, 1.9191,
0.6439

169.1410,
179.8087, 158.0505

■ 0.4809, 0.5598,
0.0000

207.8671,

■ 0.0000, 0.0000,

220.8255, 196.9694

0.0000

252.0945,
267.6489, 241.8040

■ 31.8490, 34.1192,
25.3291

■ 31.8490, 34.1192,
25.3291

■ 30.2575, 32.5439,
19.8419

■ 33.6380, 35.8030,
31.7649

■ 28.8520, 31.0686,
15.2554

■ 35.6302, 37.5942,
39.1899

■ 27.6238, 29.6910,
11.5206

■ 37.8340, 39.4976,
47.6447

■ 26.5626, 28.4066,
8.5833

■ 40.2568, 41.5163,
57.1673

■ 25.6566, 27.2105,
6.3826

■ 42.9056, 43.6534,
67.7936

■ 24.8925, 26.0971,
4.8492

■ 45.7869, 45.9117,
79.5577

■ 24.2545, 25.0598,
3.9002

■ 48.9072, 48.2939,
92.4924

■ 23.8515, 24.3582,
3.4445

■ 51.3241, 50.4234,
101.6354

■ 52.0688, 51.9128,
101.8836

Harmonies

Analogous

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



34.2903, 34.1192, 26.0751



31.8490, 34.1192, 25.3291



29.6736, 34.1192, 27.4179

Triad

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



31.8490, 34.1192, 25.3291



28.8243, 34.1192, 45.8839



36.9562, 34.1192, 42.6305

Complementary

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



31.8490, 34.1192, 25.3291



24.5890, 24.9501, 39.5964

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.



35.3505, 34.1192, 48.9491



31.8490, 34.1192, 25.3291



30.6368, 34.1192, 50.9861

Square

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



31.8490, 34.1192, 25.3291



27.9851, 34.1192, 38.8471



33.0166, 34.1192, 52.1730



37.3207, 34.1192, 35.5031

Rectangle

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



31.8490, 34.1192, 25.3291



28.6391, 34.1192, 30.3128



33.0166, 34.1192, 52.1730



36.5399, 34.1192, 44.9450

Sweetspot

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



31.8499, 34.1207, 25.3298



63.0864, 66.8270, 65.1891



27.9059, 25.3300, 26.7984



14.0719, 14.9136, 14.4176



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.8499, 34.1207, 25.3298



56.4286, 60.5828, 41.1701



31.0951, 35.8228, 25.6981



8.0109, 8.5018, 8.0081



18.5301, 18.9574, 2.6825



0.4836, 0.5267, 0.0762

Inverse Universe

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



24.5890, 24.9501, 39.5964



41.1138, 41.2421, 71.2689



25.2110, 23.6609, 39.3148



7.2550, 7.5469, 9.4927



5.8306, 3.1213, 28.2707



0.1765, 0.1451, 0.6994

Previews

White Background



This preview shows how the XYZ color 31.8490, 34.1192, 25.3291 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 31.8490, 34.1192, 25.3291 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

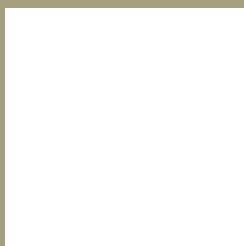
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8490, 34.1192, 25.3291

Background



This preview shows how black text looks on a background with the XYZ color 31.8490, 34.1192, 25.3291.



This preview shows how white text looks on a background with the XYZ color 31.8490, 34.1192,

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

31.8490, 34.1192, 25.3291

Protanopia

32.0595, 34.2277, 25.3390

Deuteranopia

34.7191, 34.1087, 25.5226



Tritanopia

34.9774, 34.1570, 40.3468

Trichromacy



Original Color

31.8490, 34.1192, 25.3291

Protanomaly

32.0595, 34.2277, 25.3390

Deuteranomaly

33.6495, 34.0433, 25.5664

Tritanomaly

33.7510, 34.1447, 34.5175

Monochromacy



Original Color

31.8490, 34.1192, 25.3291

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.7425, 33.6628, 32.0187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8490, 34.1192, 25.3291 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(166, 158, 128)` looks like.

```
.text, #text, p{  
    color:rgb(166, 158, 128)  
}
```

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(166, 158, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 158, 128) }
```

Border

The CSS property to change the border of an element to XYZ 31.8490, 34.1192, 25.3291 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(166, 158, 128) }
```


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

```
.border{ border-color:rgb(166, 158, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 158, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 158, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 158, 128);  
box-shadow:4px 4px 4px 4px rgb(166, 158,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8490, 34.1192, 25.3291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 158, 128) }
```

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

```
.background{ background-color: rgb(166,  
158, 128) }
```

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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