

Converting Colors

XYZ(31.3472, 34.5176, 25.6012)

Have a look what the booklet for
XYZ(31.3472, 34.5176, 25.6012)
contains.

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Color

**XYZ(31.3391, 34.6253,
25.4537)**

Conversions

Conversions Part 1

Format	Color
Hex	A1A180
RGB	161, 161, 128
RGB Percent	63%, 63%, 50%
CMY	0.3686, 0.3686, 0.4980
CMYK	0.00, 0.00, 0.20, 0.37
HSL	60°, 15%, 57%
HSV	60°, 20%, 63%
XYZ	31.3391, 34.6253, 25.4537
YIQ	157.2380, 10.5930, -10.2630

Conversions

Conversions Part 2

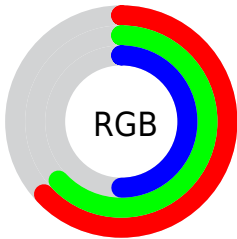
Format	Color
RYB	128, 161, 128
Decimal	10592640
CIELab	65.46, -5.68, 17.24
CIELCh	65, 18.148, 108.235
Yxy	34.6253, 0.3428, 0.3788
Android (android.graphics.Color)	4288782720 (0xFFA1A180)
YUV	157.2380, -14.4143, 3.2993
Hunter-Lab	58.8433, -7.9091, 15.5433

Details

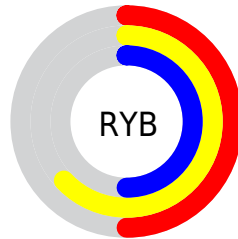
The XYZ color **31.3391, 34.6253, 25.4537** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.0556, 22.6017, 36.8675**, and the grayscale version is **32.2153, 33.8930, 36.9095**.

A 20% lighter version of the original color is **61.2153, 67.0469, 53.4310**, and **13.2939, 14.9676, 9.5855** is the 20% darker color. If you saturate the color by 10%, you get **30.3624, 34.2358, 20.3083**, and if you desaturate by 10%, it is **32.4858, 35.0852, 31.4863**.

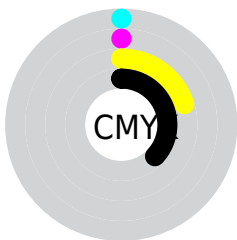
Distribution



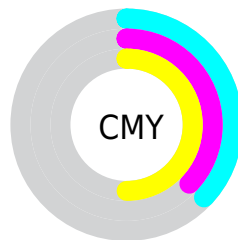
- Red (63%)
- Green (63%)
- Blue (50%)



- Red (50%)
- Yellow (63%)
- Blue (50%)



- Cyan (0%)
- Magenta (0%)
- Yellow (20%)
- Black (37%)



- Cyan (37%)
- Magenta (37%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3391, 34.6253, 25.4537 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 31.3391, 34.6253, 25.4537 by changing the saturation by 10% instead.

■ 31.3391, 34.6253,
25.4537

■ 31.3391, 34.6253,
25.4537

299.8966,
322.9113, 293.6096

■ 21.0103, 23.3744,
16.1933

■ 61.1458, 66.9049,
53.3655

■ 13.2440, 14.8702,
9.5052

■ 81.3544, 88.7024,
72.8540

■ 7.6750, 8.7283,
4.9709

■ 105.5869,
114.7841, 96.5890

■ 3.9377, 4.5644,
2.1717

134.2088,
145.5346, 124.9890

■ 1.6670, 1.9940,
0.6580

167.5853,
181.3381, 158.4725

■ 0.4355, 0.6040,
0.0000

206.0819,

■ 0.0000, 0.0000,

222.5792, 197.4580

0.0000

250.0639,
269.6421, 242.3642

■ 31.3391, 34.6253,
25.4537

■ 31.3391, 34.6253,
25.4537

■ 30.3624, 34.2358,
20.3083

■ 32.4858, 35.0852,
31.4863

■ 29.5451, 33.9088,
16.0061

■ 33.8072, 35.6138,
38.4429

■ 28.8795, 33.6425,
12.5030

■ 35.3112, 36.2154,
46.3607

■ 28.3563, 33.4332,
9.7497

■ 37.0042, 36.8927,
55.2743

■ 27.9651, 33.2767,
7.6916

■ 38.8926, 37.6481,
65.2168

■ 27.6941, 33.1682,
6.2665

■ 40.9824, 38.4840,
76.2194

■ 27.5295, 33.1024,
5.4016

■ 43.2791, 39.4028,
88.3122

■ 27.4408, 33.0668,
4.9363

■ 45.4964, 40.2897,
99.9865

■ 45.4968, 40.2899,
99.9865

Harmonies

Analogous

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



33.9618, 34.6253, 25.1265



31.3391, 34.6253, 25.4537



29.2487, 34.6253, 28.7800

Triad

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



31.3391, 34.6253, 25.4537



29.6268, 34.6253, 49.6869



38.1634, 34.6253, 40.7603

Complementary

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



31.3391, 34.6253, 25.4537



23.0556, 22.6017, 36.8675

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.



36.8654, 34.6253, 48.2979



31.3391, 34.6253, 25.4537



31.8807, 34.6253, 53.8958

Square

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



31.3391, 34.6253, 25.4537



28.2974, 34.6253, 42.4619



34.5332, 34.6253, 53.3558



37.9991, 34.6253, 33.3101

Rectangle

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



31.3391, 34.6253, 25.4537



28.3947, 34.6253, 32.5373



34.5332, 34.6253, 53.3558



37.8809, 34.6253, 43.3842

Sweetspot

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



31.3400, 34.6268, 25.4544



59.1744, 63.2305, 61.6417



26.3145, 24.5748, 23.7791



12.9472, 13.8551, 13.3579



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.



31.3400, 34.6268, 25.4544



55.2171, 61.6474, 40.8089



28.2316, 33.0244, 25.3090



7.6494, 8.2372, 7.5669



21.9150, 26.4081, 3.9422



0.4605, 0.5549, 0.0828

Inverse Universe

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



23.0556, 22.6017, 36.8675



37.4200, 35.8142, 65.3271



25.7424, 23.9867, 36.9932



6.7005, 6.8600, 8.8740



5.1381, 2.0553, 27.0557



0.1080, 0.0432, 0.5685

Previews

White Background



This preview shows how the XYZ color 31.3391, 34.6253, 25.4537 looks on a white background.

Color Contrast Check

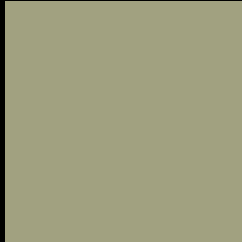
Large Text (above 18pt) WCAG AA × Fail

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 31.3391, 34.6253, 25.4537 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

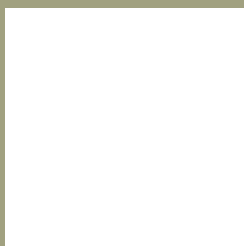
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3391, 34.6253, 25.4537

Background



This preview shows how black text looks on a background with the XYZ color 31.3391, 34.6253, 25.4537.



This preview shows how white text looks on a background with the XYZ color 31.3391, 34.6253,

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

31.3391, 34.6253, 25.4537

Protanopia

32.5911, 34.7636, 25.0710

Deuteranopia

35.1877, 34.5845, 25.9400



Tritanopia

34.6822, 34.7111, 41.9177

Trichromacy



Original Color

31.3391, 34.6253, 25.4537

Protanomaly

32.1275, 34.7809, 25.0988

Deuteranomaly

33.7554, 34.5920, 25.6667

Tritanomaly

33.2865, 34.6461, 35.0700

Monochromacy



Original Color

31.3391, 34.6253, 25.4537

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.5157, 33.7981, 32.0568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3391, 34.6253, 25.4537 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(161, 161, 128)` looks like.

```
.text, #text, p{  
    color:rgb(161, 161, 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(161, 161, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 161, 128) }
```

Border

The CSS property to change the border of an element to XYZ 31.3391, 34.6253, 25.4537 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(161, 161, 128) }
```


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

```
.border{ border-color:rgb(161, 161, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 161, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 161, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 161, 128);  
box-shadow:4px 4px 4px 4px rgb(161, 161,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3391, 34.6253, 25.4537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 161, 128) }
```

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

```
.background{ background-color: rgb(161,  
161, 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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