

Converting Colors

XYZ(31.6658, 40.0694, 25.8573)

Have a look what the booklet for
XYZ(31.6658, 40.0694, 25.8573)
contains.

XYZ(31.7642, 40.1686, 25.8178)	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(31.7642, 40.1686,
25.8178)**

Conversions

Conversions Part 1

Format	Color
Hex	91B47E
RGB	145, 180, 126
RGB Percent	57%, 71%, 49%
CMY	0.4314, 0.2941, 0.5059
CMYK	0.19, 0.00, 0.30, 0.29
HSL	99°, 26%, 60%
HSV	99°, 30%, 71%
XYZ	31.7642, 40.1686, 25.8178
YIQ	163.3790, -3.5260, -24.2140

Conversions

Conversions Part 2

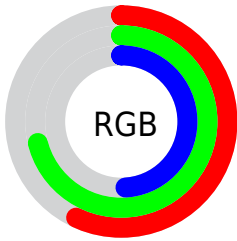
Format	Color
R_{YB}	126, 180, 161
Decimal	9548926
CIE _{Lab}	69.59, -21.94, 23.78
CIE _{LCh}	70, 32.355, 132.698
Yxy	40.1686, 0.3250, 0.4109
Android (android.graphics.Color)	4287739006 (0xFF91B47E)
YUV	163.3790, -18.4278, -16.1184
Hunter-Lab	63.3787, -21.4519, 20.2129

Details

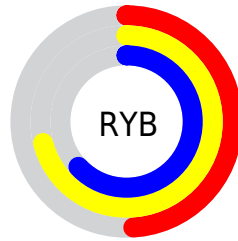
The XYZ color **31.7642, 40.1686, 25.8178** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.3987, 25.7952, 46.5589**, and the grayscale version is **35.0785, 36.9053, 40.1899**.

A 20% lighter version of the original color is **61.9516, 75.5249, 53.9604**, and **13.5100, 18.0802, 9.6153** is the 20% darker color. If you saturate the color by 10%, you get **28.7544, 38.7406, 20.1499**, and if you desaturate by 10%, it is **35.1962, 41.7926, 32.5981**.

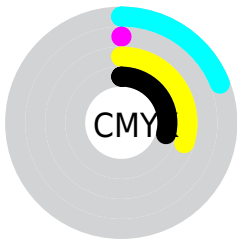
Distribution



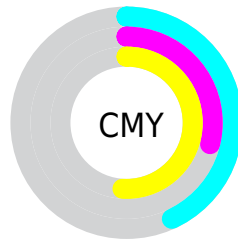
- Red (57%)
- Green (71%)
- Blue (49%)



- Red (49%)
- Yellow (71%)
- Blue (63%)



- Cyan (19%)
- Magenta (0%)
- Yellow (30%)
- Black (29%)



- Cyan (43%)
- Magenta (29%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7642, 40.1686, 25.8178 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 31.7642, 40.1686, 25.8178 by changing the saturation by 10% instead.

■ 31.7642, 40.1686,
25.8178

■ 31.7642, 40.1686,
25.8178

301.8081,
346.8337, 295.4635

■ 21.3361, 27.6700,
16.4628

■ 61.8089, 75.4202,
53.9613

■ 13.4838, 18.0771,
9.6944

■ 82.1563, 98.9420,
73.5870

■ 7.8418, 11.0053,
5.0938

■ 106.5408,
126.9070, 97.4733

■ 4.0448, 6.0704,
2.2427

135.3279,
159.6996, 126.0388

■ 1.7275, 2.8880,
0.6989

168.8828,
197.7041, 159.7020

■ 0.4734, 1.0735,
0.0000

207.5709,

■ 0.0000, 0.0000,

241.3051, 198.8815

0.0000

251.7575,
290.8868, 243.9958

■ 31.7642, 40.1686,
25.8178

■ 31.7642, 40.1686,
25.8178

■ 28.7544, 38.7406,
20.1499

■ 35.1962, 41.7926,
32.5981

■ 26.1463, 37.4955,
15.5324

■ 39.0639, 43.6146,
40.5431

■ 23.9219, 36.4269,
11.9012


■ 43.3837, 45.6432,
49.7050

■ 22.0607, 35.5256,
9.1844


■ 48.1705, 47.8850,
60.1319


■ 20.5396, 34.7816,
7.3000


■ 53.4381, 50.3463,
71.8696


 19.3325, 34.1835,
6.1514

 59.2000, 53.0329,
84.9612

 18.3930, 33.7117,
5.5376

 65.4691, 55.9505,
99.4481

 69.7466, 58.1004,
102.1462

 73.7995, 60.1897,
102.3359

Harmonies

Analogous

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



36.0133, 40.1686, 21.2469



31.7642, 40.1686, 25.8178



29.3691, 40.1686, 35.7267

Triad

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



31.7642, 40.1686, 25.8178



35.2688, 40.1686, 77.3543



48.8408, 40.1686, 37.7129

Complementary

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



31.7642, 40.1686, 25.8178



30.3987, 25.7952, 46.5589

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.



48.5951, 40.1686, 52.8626



31.7642, 40.1686, 25.8178



40.4300, 40.1686, 78.2323

Square

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



31.7642, 40.1686, 25.8178



31.2622, 40.1686, 66.2901



45.4042, 40.1686, 68.4696



46.0476, 40.1686, 26.9848

Rectangle

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



31.7642, 40.1686, 25.8178



28.9984, 40.1686, 45.1051



45.4042, 40.1686, 68.4696



49.1177, 40.1686, 42.3964

Sweetspot

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



31.7652, 40.1703, 25.8187



71.4587, 79.3754, 74.8294



35.1954, 36.4223, 24.9144



15.2141, 17.0474, 15.6913



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.



31.7652, 40.1703, 25.8187



53.8997, 71.0807, 39.7941



29.1741, 38.7789, 28.2110



8.6617, 9.6307, 9.0549



12.9033, 23.5620, 3.8678



0.4707, 0.7747, 0.1247

Inverse Universe

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



30.3987, 25.7952, 46.5589



51.0126, 40.7968, 83.4805



33.8082, 27.6355, 42.9879



8.5541, 8.4942, 10.6950



10.9142, 4.9623, 30.5196



0.4037, 0.1872, 0.9631

Previews

White Background



This preview shows how the XYZ color 31.7642, 40.1686, 25.8178 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 31.7642, 40.1686, 25.8178 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 31.7642, 40.1686, 25.8178

Background



This preview shows how black text looks on a background with the XYZ color 31.7642, 40.1686, 25.8178.



This preview shows how white text looks on a background with the XYZ color 31.7642, 40.1686,

25.8178.

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

31.7642, 40.1686, 25.8178

Protanopia

37.1676, 39.8237, 23.8170

Deuteranopia

40.6796, 39.9482, 26.6858



Tritanopia

36.9419, 39.9202, 52.2127

Trichromacy



Original Color

31.7642, 40.1686, 25.8178

Protanomaly

34.8809, 39.7522, 24.5734

Deuteranomaly

36.7408, 39.5446, 26.4653

Tritanomaly

34.7933, 39.9196, 40.9934

Monochromacy



Original Color

31.7642, 40.1686, 25.8178

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.4033, 37.6459, 34.3600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7642, 40.1686, 25.8178 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(145, 180, 126)` looks like.

```
.text, #text, p{  
    color:rgb(145, 180, 126)  
}
```

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(145, 180, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 180, 126) }
```

Border

The CSS property to change the border of an element to XYZ 31.7642, 40.1686, 25.8178 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(145, 180, 126) }
```


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

```
.border{ border-color:rgb(145, 180, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 180, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 180, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 180, 126);  
box-shadow:4px 4px 4px 4px rgb(145, 180,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7642, 40.1686, 25.8178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 180, 126) }
```

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

```
.background{ background-color: rgb(145,  
180, 126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor