

Converting Colors

XYZ(25.2195, 37.8360, 33.6645)

Have a look what the booklet for
XYZ(25.2195, 37.8360, 33.6645)
contains.

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Color

**XYZ(25.2310, 37.8434,
33.5785)**

Conversions

Conversions Part 1

Format	Color
Hex	4AB893
RGB	74, 184, 147
RGB Percent	29%, 72%, 58%
CMY	0.7098, 0.2784, 0.4235
CMYK	0.60, 0.00, 0.20, 0.28
HSL	160°, 44%, 51%
HSV	160°, 60%, 72%
XYZ	25.2310, 37.8434, 33.5785
YIQ	146.8920, -53.6830, -34.8270

Conversions

Conversions Part 2

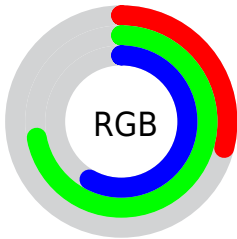
Format	Color
RYB	74, 140, 184
Decimal	4896915
CIELab	67.91, -40.32, 9.54
CIELCh	68, 41.430, 166.686
Yxy	37.8434, 0.2610, 0.3915
Android (android.graphics.Color)	4283086995 (0xFF4AB893)
YUV	146.8920, 0.0532, -63.9263
Hunter-Lab	61.5170, -34.4435, 10.6990

Details

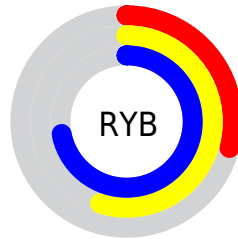
The XYZ color **25.2310, 37.8434, 33.5785** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.0864, 16.2366, 16.8521**, and the grayscale version is **27.7051, 29.1480, 31.7421**.

A 20% lighter version of the original color is **51.5136, 72.0332, 66.4471**, and **10.0940, 16.8098, 13.7789** is the 20% darker color. If you saturate the color by 10%, you get **23.5437, 37.0291, 31.0326**, and if you desaturate by 10%, it is **27.3608, 38.8847, 36.2833**.

Distribution



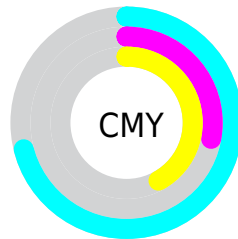
- Red (29%)
- Green (72%)
- Blue (58%)



- Red (29%)
- Yellow (55%)
- Blue (72%)



- Cyan (60%)
- Magenta (0%)
- Yellow (20%)
- Black (28%)





- Cyan (71%)
- Magenta (28%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.2310, 37.8434, 33.5785 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 25.2310, 37.8434, 33.5785 by changing the saturation by 10% instead.


 25.2310, 37.8434,
33.5785


 25.2310, 37.8434,
33.5785


271.3129,
336.9477, 332.9601


 16.3789, 25.8612,
22.2952


 51.4719, 71.8680,
66.4040


 9.8852, 16.7198,
13.8736


 69.5914, 94.6793,
88.7834


 5.3846, 10.0349,
7.8951


 91.5308, 121.8689,
115.6986

 2.5117, 5.4221,
3.9411

 117.6554,
153.8214, 147.5681

 0.9012, 2.4970,
1.5931

 148.3305,
190.9211, 184.8104

 0.0000, 0.8751,
0.2859

183.9216,

 0.0000, 0.0000,

233.5525, 227.8442

0.0000

224.7939,
282.0999, 277.0879

■ 25.2310, 37.8434,
33.5785

■ 25.2310, 37.8434,
33.5785

■ 23.5437, 37.0291,
31.0326

■ 27.3608, 38.8847,
36.2833

■ 22.2580, 36.4180,
28.6389

■ 29.9632, 40.1655,
39.1478

■ 21.3307, 35.9887,
26.3942

■ 33.0690, 41.7029,
42.1765

■ 20.6742, 35.6961,
24.2921

■ 36.7058, 43.5107,
45.3725

■ 20.6607, 35.6901,
24.2476

■ 40.8988, 45.6021,
48.7391

■ 45.6718, 47.9893,
52.2792

■ 51.0470, 50.6836,
55.9958

■ 57.0455, 53.6959,
59.8916

■ 63.6874, 57.0365,
63.9694

Harmonies

Analogous

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



27.7036, 37.8434, 21.3783



25.2310, 37.8434, 33.5785



25.3800, 37.8434, 52.2290

Triad

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



25.2310, 37.8434, 33.5785



39.6364, 37.8434, 85.2699



45.1326, 37.8434, 20.4409

Complementary

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



25.2310, 37.8434, 33.5785



25.0864, 16.2366, 16.8521

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.



49.1567, 37.8434, 31.8529



25.2310, 37.8434, 33.5785



45.7338, 37.8434, 70.5741

Square

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



25.2310, 37.8434, 33.5785



33.1969, 37.8434, 86.1487



49.3890, 37.8434, 49.9068



38.8913, 37.8434, 15.4636

Rectangle

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



25.2310, 37.8434, 33.5785



26.9390, 37.8434, 66.1807



49.3890, 37.8434, 49.9068



46.8203, 37.8434, 23.4670

Sweetspot

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



25.2320, 37.8449, 33.5794



67.5973, 79.4003, 83.1308



25.1236, 38.2546, 12.5389



14.1299, 16.8966, 17.5500



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



25.2320, 37.8449, 33.5794



41.8015, 66.7039, 54.7367



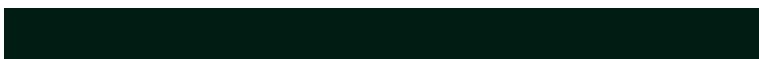
25.3874, 32.7390, 50.3303



9.1348, 10.1579, 10.8671



14.2727, 24.6100, 16.8896



0.5307, 0.8786, 0.7406

Inverse Universe

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



25.0864, 16.2366, 16.8521



41.5600, 23.9859, 21.8981



24.7028, 18.0827, 8.6675



9.1259, 9.0607, 10.0104



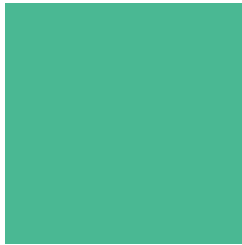
14.2505, 7.2740, 3.9401



0.5320, 0.2683, 0.2947

Previews

White Background



This preview shows how the XYZ color 25.2310, 37.8434, 33.5785 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 25.2310, 37.8434, 33.5785 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 25.2310, 37.8434, 33.5785

Background



This preview shows how black text looks on a background with the XYZ color 25.2310, 37.8434, 33.5785.

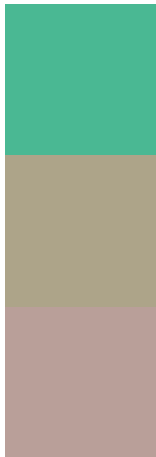


This preview shows how white text looks on a background with the XYZ color 25.2310, 37.8434,

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

25.2310, 37.8434, 33.5785

Protanopia

35.0244, 37.2413, 29.0092

Deuteranopia

38.1555, 37.4105, 35.3469



Tritanopia

29.6513, 37.8202, 55.6064

Trichromacy



Original Color

25.2310, 37.8434, 33.5785



Protanomaly

29.6872, 36.3673, 30.6542



Deuteranomaly

31.2656, 36.2594, 34.6290



Tritanomaly

27.8139, 37.6619, 46.8778

Monochromacy



Original Color

25.2310, 37.8434, 33.5785



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

25.5830, 31.2413, 32.2856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2310, 37.8434, 33.5785 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(74, 184, 147)` looks like.

```
.text, #text, p{  
    color:rgb(74, 184, 147)  
}
```

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(74, 184, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 184, 147) }
```

Border

The CSS property to change the border of an element to XYZ 25.2310, 37.8434, 33.5785 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(74, 184, 147) }
```


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

```
.border{ border-color:rgb(74, 184, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 184, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 184, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 184, 147);  
box-shadow:4px 4px 4px 4px rgb(74, 184,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2310, 37.8434, 33.5785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 184, 147) }
```

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

```
.background{ background-color: rgb(74, 184,  
147) }
```

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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