

Converting Colors

XYZ(24.4276, 34.9009, 31.8072)

Have a look what the booklet for
XYZ(24.4276, 34.9009, 31.8072)
contains.

XYZ(24.3885, 34.7483, 31.8072)	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(24.3885, 34.7483,
31.8072)**

Conversions

Conversions Part 1

Format	Color
Hex	58AF90
RGB	88, 175, 144
RGB Percent	35%, 69%, 56%
CMY	0.6549, 0.3137, 0.4353
CMYK	0.50, 0.00, 0.18, 0.31
HSL	159°, 35%, 52%
HSV	159°, 50%, 69%
XYZ	24.3885, 34.7483, 31.8072
YIQ	145.4530, -41.9010, -28.0850

Conversions

Conversions Part 2

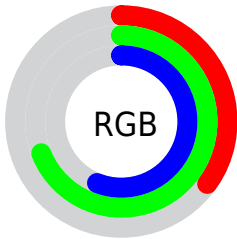
Format	Color
RYB	88, 141, 175
Decimal	5812112
CIELab	65.55, -33.79, 7.90
CIElCh	66, 34.704, 166.837
Yxy	34.7483, 0.2682, 0.3821
Android (android.graphics.Color)	4284002192 (0xFF58AF90)
YUV	145.4530, -0.7163, -50.3863
Hunter-Lab	58.9477, -29.3074, 9.2715

Details

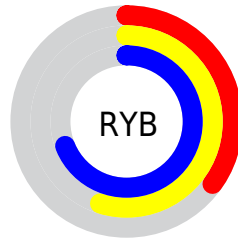
The XYZ color **24.3885, 34.7483, 31.8072** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.4998, 17.4261, 19.5263**, and the grayscale version is **27.1139, 28.5259, 31.0647**.

A 20% lighter version of the original color is **50.0966, 67.0687, 63.7313**, and **9.4588, 14.9741, 12.9814** is the 20% darker color. If you saturate the color by 10%, you get **22.4632, 33.8102, 29.2979**, and if you desaturate by 10%, it is **26.7397, 35.9047, 34.4755**.

Distribution



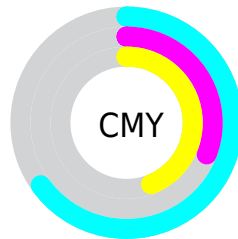
- Red (35%)
- Green (69%)
- Blue (56%)



- Red (35%)
- Yellow (55%)
- Blue (69%)



- Cyan (50%)
- Magenta (0%)
- Yellow (18%)
- Black (31%)





- Cyan (65%)
- Magenta (31%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3885, 34.7483, 31.8072 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 24.3885, 34.7483, 31.8072 by changing the saturation by 10% instead.


 24.3885, 34.7483,
31.8072


 24.3885, 34.7483,
31.8072


267.1829,
323.4559, 324.7057


 15.7484, 23.4691,
20.9507


 50.1135, 67.0957,
63.6031


 9.4360, 14.9402,
12.8971


 67.9291, 88.9326,
85.3796

 5.0860, 8.7775,
7.2278


 89.5339, 115.0575,
111.6331

 2.3331, 4.5963,
3.5244

 115.2932,
145.8548, 142.7823

 0.8115, 2.0124,
1.3682

145.5724,
181.7089, 179.2455

 0.0000, 0.6147,
0.1167

180.7368,

 0.0000, 0.0000,

223.0042, 221.4415

0.0000

221.1519,
270.1251, 269.7887

■ 24.3885, 34.7483,
31.8072

■ 24.3885, 34.7483,
31.8072

■ 22.4632, 33.8102,
29.2979

■ 26.7397, 35.9047,
34.4755

■ 20.9316, 33.0712,
26.9415

■ 29.5403, 37.2888,
37.3036

■ 19.7613, 32.5156,
24.7350


■ 32.8157, 38.9144,
40.2957


■ 18.9133, 32.1231,
22.6743


■ 36.5882, 40.7932,
43.4548


■ 18.3074, 31.8527,
20.7533


■ 40.8788, 42.9359,
46.7839

 18.2912, 31.8454,
20.7003

 45.7074, 45.3526,
50.2860

 51.0926, 48.0529,
53.9638

 57.0523, 51.0461,
57.8200

 63.6033, 54.3407,
61.8573

Harmonies

Analogous

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



26.3936, 34.7483, 21.7242



24.3885, 34.7483, 31.8072



24.5214, 34.7483, 46.5435

Triad

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



24.3885, 34.7483, 31.8072



35.9424, 34.7483, 71.4825



40.1810, 34.7483, 20.8586

Complementary

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



24.3885, 34.7483, 31.8072



24.4998, 17.4261, 19.5263

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.



43.3025, 34.7483, 30.2867



24.3885, 34.7483, 31.8072



40.6885, 34.7483, 60.4173

Square

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



24.3885, 34.7483, 31.8072



30.8493, 34.7483, 72.1953



43.4973, 34.7483, 44.5799



35.3053, 34.7483, 16.5868

Rectangle

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



24.3885, 34.7483, 31.8072



25.8005, 34.7483, 57.2392



43.4973, 34.7483, 44.5799



41.4911, 34.7483, 23.4017

Sweetspot

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



24.3895, 34.7497, 31.8080



61.6667, 71.1331, 74.6482



24.8244, 35.3519, 14.7482



13.4025, 15.6590, 16.3338



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.3895, 34.7497, 31.8080



39.8270, 60.3553, 51.8954



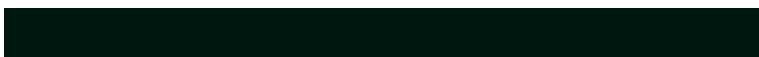
24.9318, 31.5079, 45.3267



8.1133, 9.0229, 9.6217



13.1285, 22.8167, 14.9820



0.3900, 0.6447, 0.5473

Inverse Universe

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



24.4998, 17.4261, 19.5263



40.0674, 25.6403, 27.3795



23.9606, 18.8572, 11.6099



8.1187, 8.0607, 8.9361



13.3174, 6.7895, 4.0510



0.3970, 0.1995, 0.2524

Previews

White Background



This preview shows how the XYZ color 24.3885, 34.7483, 31.8072 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 24.3885, 34.7483, 31.8072 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 24.3885, 34.7483, 31.8072

Background



This preview shows how black text looks on a background with the XYZ color 24.3885, 34.7483, 31.8072.

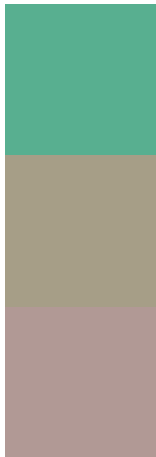


This preview shows how white text looks on a background with the XYZ color 24.3885, 34.7483,

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

24.3885, 34.7483, 31.8072

Protanopia

32.3259, 34.3100, 27.8404

Deuteranopia

34.9475, 34.2995, 33.2123



Tritanopia

28.0676, 34.8210, 50.0416

Trichromacy



Original Color

24.3885, 34.7483, 31.8072



Protanomaly

28.3441, 33.7892, 29.0728



Deuteranomaly

29.6884, 33.6161, 32.5276



Tritanomaly

26.6333, 34.8025, 42.8500

Monochromacy



Original Color

24.3885, 34.7483, 31.8072



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.3115, 30.1064, 31.2651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3885, 34.7483, 31.8072 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(88, 175, 144)` looks like.

```
.text, #text, p{  
    color:rgb(88, 175, 144)  
}
```

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(88, 175, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 175, 144) }
```

Border

The CSS property to change the border of an element to XYZ 24.3885, 34.7483, 31.8072 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(88, 175, 144) }
```


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

```
.border{ border-color:rgb(88, 175, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 175, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 175, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 175, 144);  
box-shadow:4px 4px 4px 4px rgb(88, 175,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3885, 34.7483, 31.8072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 175, 144) }
```

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

```
.background{ background-color: rgb(88, 175,  
144) }
```

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