

Converting Colors

XYZ(30.0182, 33.6698, 20.6022)

Have a look what the booklet for
XYZ(30.0182, 33.6698, 20.6022)
contains.

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Color

**XYZ(30.0486, 33.8074,
20.5645)**

Conversions

Conversions Part 1

Format	Color
Hex	A0A071
RGB	160, 160, 113
RGB Percent	63%, 63%, 44%
CMY	0.3725, 0.3725, 0.5569
CMYK	0.00, 0.00, 0.29, 0.37
HSL	60°, 20%, 54%
HSV	60°, 29%, 63%
XYZ	30.0486, 33.8074, 20.5645
YIQ	154.6420, 15.0870, -14.6170

Conversions

Conversions Part 2

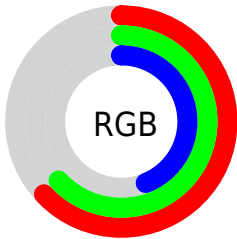
Format	Color
RYB	113, 160, 113
Decimal	10526833
CIELab	64.81, -7.70, 24.58
CIELCh	65, 25.755, 107.396
Yxy	33.8074, 0.3559, 0.4005
Android (android.graphics.Color)	4288716913 (0xFFA0A071)
YUV	154.6420, -20.5295, 4.6990
Hunter-Lab	58.1441, -9.5043, 19.7311

Details

The XYZ color **30.0486, 33.8074, 20.5645** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.0616, 17.8599, 35.7022**, and the grayscale version is **31.0813, 32.7000, 35.6103**.

A 20% lighter version of the original color is **59.1163, 65.7646, 45.1754**, and **12.5784, 14.4956, 6.9855** is the 20% darker color. If you saturate the color by 10%, you get **29.2262, 33.4796, 16.2313**, and if you desaturate by 10%, it is **31.0316, 34.2018, 25.7356**.

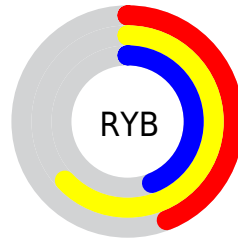
Distribution



Red (63%)

Green (63%)

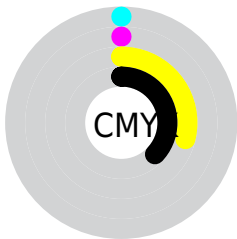
Blue (44%)



Red (44%)

Yellow (63%)

Blue (44%)

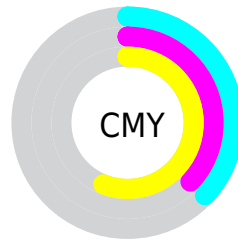


Cyan (0%)

Magenta (0%)

Yellow (29%)

Black (37%)



Cyan (37%)

Magenta (37%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0486, 33.8074, 20.5645 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 30.0486, 33.8074, 20.5645 by changing the saturation by 10% instead.

■ 30.0486, 33.8074,
20.5645

■ 30.0486, 33.8074,
20.5645

294.0367,
319.2724, 267.6595

■ 20.0237, 22.7457,
12.6179

■ 59.1251, 65.6340,
45.2329

■ 12.5207, 14.4058,
7.0383

■ 78.9075, 87.1678,
62.7919

■ 7.1740, 8.4035,
3.4073

■ 102.6731,
112.9609, 84.3920

■ 3.6185, 4.3542,
1.3062

■ 130.7872,
143.3980, 110.4519

■ 1.4886, 1.8736,
0.0668

163.6153,
178.8632, 141.3900

■ 0.3181, 0.5324,
0.0000

201.5227,

■ 0.0000, 0.0000,

219.7411, 177.6250

0.0000

244.8747,
266.4160, 219.5753

■ 30.0486, 33.8074,
20.5645

■ 30.0486, 33.8074,
20.5645

■ 29.2262, 33.4796,
16.2313

■ 31.0316, 34.2018,
25.7356

■ 28.5534, 33.2104,
12.6900

■ 32.1803, 34.6613,
31.7832

■ 28.0221, 32.9979,
9.8934

■ 33.5028, 35.1904,
38.7461

■ 27.6220, 32.8378,
7.7882

■ 35.0060, 35.7916,
46.6601

■ 27.3419, 32.7257,
6.3144

■ 36.6961, 36.4678,
55.5590

■ 27.1683, 32.6562,
5.4016

■ 38.5795, 37.2211,
65.4752

■ 27.0723, 32.6178,
4.8977

■ 40.6619, 38.0541,
76.4393

■ 27.0668, 32.6156,
4.8689

■ 42.9488, 38.9689,
88.4809

■ 45.1212, 39.8379,
99.9191

Harmonies

Analogous

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



33.7136, 33.8074, 20.2663



30.0486, 33.8074, 20.5645



27.1667, 33.8074, 24.6488

Triad

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



30.0486, 33.8074, 20.5645



27.5453, 33.8074, 53.9734



39.6032, 33.8074, 41.4472

Complementary

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



30.0486, 33.8074, 20.5645



19.0616, 17.8599, 35.7022

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.



37.6702, 33.8074, 52.4307



30.0486, 33.8074, 20.5645



30.6025, 33.8074, 60.5427

Square

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



30.0486, 33.8074, 20.5645



25.7996, 33.8074, 43.2573



34.3115, 33.8074, 59.9292



39.4261, 33.8074, 31.0383

Rectangle

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



30.0486, 33.8074, 20.5645



25.9915, 33.8074, 29.5085



34.3115, 33.8074, 59.9292



39.1728, 33.8074, 45.2275

Sweetspot

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



30.0495, 33.8089, 20.5652



58.4724, 62.9497, 57.9451



23.3840, 20.4769, 18.3432



12.7567, 13.7789, 12.3547



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.



30.0495, 33.8089, 20.5652



53.5839, 60.9942, 32.2098



25.7874, 31.6118, 20.3658



7.1701, 7.7204, 7.0979



21.0834, 25.4056, 3.7926



0.3770, 0.4543, 0.0678

Inverse Universe

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



19.0616, 17.8599, 35.7022



30.4538, 27.4204, 64.0741



22.4860, 19.6252, 35.8625



6.2848, 6.4353, 8.3176



4.9429, 1.9772, 26.0283



0.0884, 0.0354, 0.4654

Previews

White Background



This preview shows how the XYZ color 30.0486, 33.8074, 20.5645 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 30.0486, 33.8074, 20.5645 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

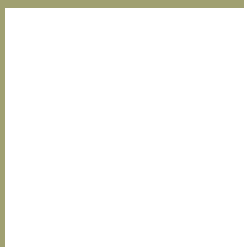
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0486, 33.8074, 20.5645

Background



This preview shows how black text looks on a background with the XYZ color 30.0486, 33.8074, 20.5645.



This preview shows how white text looks on a background with the XYZ color 30.0486, 33.8074,

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

30.0486, 33.8074, 20.5645

Protanopia

31.3438, 33.7188, 20.1856

Deuteranopia

34.4108, 33.8101, 20.9320



Tritanopia

33.9086, 33.6061, 40.2968

Trichromacy



Original Color

30.0486, 33.8074, 20.5645

Protanomaly

30.8774, 33.7306, 20.2125

Deuteranomaly

32.7243, 33.6732, 20.6944

Tritanomaly

32.3866, 33.7448, 32.0006

Monochromacy



Original Color

30.0486, 33.8074, 20.5645

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.6952, 33.1755, 29.5966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0486, 33.8074, 20.5645 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(160, 160, 113)` looks like.

```
.text, #text, p{  
    color:rgb(160, 160, 113)  
}
```

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(160, 160, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 160, 113) }
```

Border

The CSS property to change the border of an element to XYZ 30.0486, 33.8074, 20.5645 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(160, 160, 113) }
```


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

```
.border{ border-color:rgb(160, 160, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 160, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 160, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 160, 113); box-shadow:4px 4px 4px 4px rgb(160, 160, 113) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0486, 33.8074, 20.5645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 160, 113) }
```

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

```
.background{ background-color: rgb(160,  
160, 113) }
```

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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