

Converting Colors

XYZ(29.2733, 34.7334, 20.2003)

Have a look what the booklet for
XYZ(29.2733, 34.7334, 20.2003)
contains.

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Color

**XYZ(29.2733, 34.7334,
20.2003)**

Conversions

Conversions Part 1

Format	Color
Hex	98A56F
RGB	152, 165, 111
RGB Percent	60%, 65%, 44%
CMY	0.4039, 0.3529, 0.5647
CMYK	0.08, 0.00, 0.33, 0.35
HSL	74°, 23%, 54%
HSV	74°, 33%, 65%
XYZ	29.2733, 34.7334, 20.2003
YIQ	154.9570, 9.5860, -19.5500

Conversions

Conversions Part 2

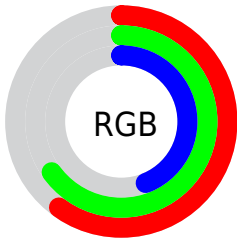
Format	Color
RYB	111, 165, 124
Decimal	10003823
CIELab	65.54, -13.81, 26.52
CIELCh	66, 29.898, 117.503
Yxy	34.7334, 0.3476, 0.4125
Android (android.graphics.Color)	4288193903 (0xFF98A56F)
YUV	154.9570, -21.6708, -2.5933
Hunter-Lab	58.9350, -14.4746, 20.9326

Details

The XYZ color **29.2733, 34.7334, 20.2003** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.7895, 18.3715, 38.0496**, and the grayscale version is **31.2274, 32.8536, 35.7776**.

A 20% lighter version of the original color is **57.9362, 67.0961, 44.5476**, and **12.0302, 14.8674, 6.7931** is the 20% darker color. If you saturate the color by 10%, you get **27.7165, 34.0274, 15.8151**, and if you desaturate by 10%, it is **31.0247, 35.5225, 25.4721**.

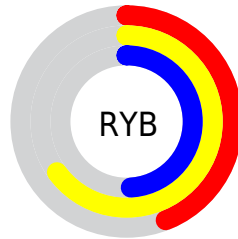
Distribution



Red (60%)

Green (65%)

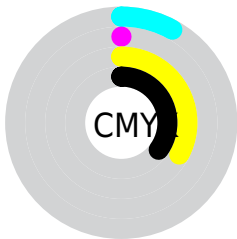
Blue (44%)



Red (44%)

Yellow (65%)

Blue (49%)

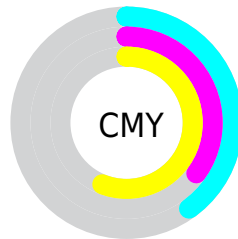


Cyan (8%)

Magenta (0%)

Yellow (33%)

Black (35%)



Cyan (40%)

Magenta (35%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2733, 34.7334, 20.2003 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 29.2733, 34.7334, 20.2003 by changing the saturation by 10% instead.

■ 29.2733, 34.7334,
20.2003

■ 29.2733, 34.7334,
20.2003

290.4733,
323.3900, 265.6374

■ 19.4330, 23.4576,
12.3552

■ 57.9056, 67.0726,
44.6161

■ 12.0894, 14.9317,
6.8606

■ 77.4283, 88.9047,
62.0239

■ 6.8772, 8.7715,
3.2980

■ 100.9091,
115.0244, 83.4564

■ 3.4311, 4.5924,
1.2487

■ 128.7135,
145.8160, 109.3321

■ 1.3856, 2.0102,
0.0192

161.2067,
181.6640, 140.0694

■ 0.2459, 0.6134,
0.0000

198.7542,

■ 0.0000, 0.0000,

222.9527, 176.0871

0.0000

241.7213,
270.0666, 217.8036

■ 29.2733, 34.7334,
20.2003

■ 29.2733, 34.7334,
20.2003

■ 27.7165, 34.0274,
15.8151

■ 31.0247, 35.5225,
25.4721

■ 26.3420, 33.3960,
12.2656

■ 32.9767, 36.3936,
31.6732

■ 25.1405, 32.8365,
9.4989


■ 35.1386, 37.3515,
38.8465


■ 24.1003, 32.3444,
7.4555


■ 37.5179, 38.3994,
47.0312


■ 23.2082, 31.9143,
6.0671

■ 40.1219, 39.5402,
56.2646


 22.4485, 31.5400,
5.2525

 42.9577, 40.7766,
66.5821

 21.9529, 31.2922,
4.8830

 46.0318, 42.1115,
78.0173

 49.3505, 43.5472,
90.6025

 52.1859, 44.7927,
100.5031

Harmonies

Analogous

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



33.3815, 34.7334, 18.4721



29.2733, 34.7334, 20.2003



26.4049, 34.7334, 26.2803

Triad

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



29.2733, 34.7334, 20.2003



28.6904, 34.7334, 62.0376



42.1656, 34.7334, 38.8798

Complementary

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



29.2733, 34.7334, 20.2003



20.7895, 18.3715, 38.0496

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.



40.6408, 34.7334, 52.3196



29.2733, 34.7334, 20.2003



32.6473, 34.7334, 67.4087

Square

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



29.2733, 34.7334, 20.2003



26.0899, 34.7334, 50.0912



37.0585, 34.7334, 63.5114



41.0640, 34.7334, 27.7349

Rectangle

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



29.2733, 34.7334, 20.2003



25.4519, 34.7334, 32.8341



37.0585, 34.7334, 63.5114



41.9405, 34.7334, 43.2839

Sweetspot

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



29.2742, 34.7349, 20.2010



60.0047, 65.5963, 59.8223



25.5452, 23.4633, 18.2219



13.0092, 14.2922, 12.7211



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.2742, 34.7349, 20.2010



50.4407, 61.3044, 30.5272



24.8415, 32.4498, 19.9936



7.4820, 8.1510, 7.5590



16.6529, 23.6954, 3.6960



0.3881, 0.5176, 0.0794

Inverse Universe

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



20.7895, 18.3715, 38.0496



32.9555, 27.5653, 67.3360



25.1656, 20.6275, 38.2544



6.8528, 6.9385, 8.8811



5.8310, 2.4125, 27.0881



0.1618, 0.0709, 0.5710

Previews

White Background



This preview shows how the XYZ color 29.2733, 34.7334, 20.2003 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 29.2733, 34.7334, 20.2003 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

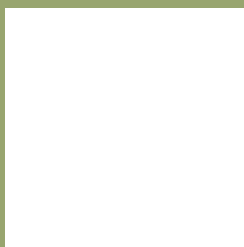
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2733, 34.7334, 20.2003

Background



This preview shows how black text looks on a background with the XYZ color 29.2733, 34.7334, 20.2003.



This preview shows how white text looks on a background with the XYZ color 29.2733, 34.7334,

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

29.2733, 34.7334, 20.2003

Protanopia

32.1182, 34.6496, 19.1826

Deuteranopia

35.2518, 34.4902, 20.7189



Tritanopia

33.9798, 34.8296, 42.9621

Trichromacy



Original Color

29.2733, 34.7334, 20.2003

Protanomaly

31.0222, 34.5932, 19.5101

Deuteranomaly

32.9421, 34.5363, 20.5527

Tritanomaly

32.0743, 34.8278, 33.4657

Monochromacy



Original Color

29.2733, 34.7334, 20.2003

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.3848, 33.5304, 29.2967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2733, 34.7334, 20.2003 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(152, 165, 111)` looks like.

```
.text, #text, p{  
    color:rgb(152, 165, 111)  
}
```

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(152, 165, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 165, 111) }
```

Border

The CSS property to change the border of an element to XYZ 29.2733, 34.7334, 20.2003 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(152, 165, 111) }
```


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

```
.border{ border-color:rgb(152, 165, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 165, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 165, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 165, 111);  
box-shadow:4px 4px 4px 4px rgb(152, 165,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2733, 34.7334, 20.2003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 165, 111) }
```

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

```
.background{ background-color: rgb(152,  
165, 111) }
```

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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