

Converting Colors

XYZ(30.3650, 34.1837, 21.3318)

Have a look what the booklet for
XYZ(30.3650, 34.1837, 21.3318)
contains.

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Color

**XYZ(30.3366, 34.2011,
21.2222)**

Conversions

Conversions Part 1

Format	Color
Hex	A0A173
RGB	160, 161, 115
RGB Percent	63%, 63%, 45%
CMY	0.3725, 0.3686, 0.5490
CMYK	0.01, 0.00, 0.29, 0.37
HSL	61°, 20%, 54%
HSV	61°, 29%, 63%
XYZ	30.3366, 34.2011, 21.2222
YIQ	155.4570, 14.1700, -14.5180

Conversions

Conversions Part 2

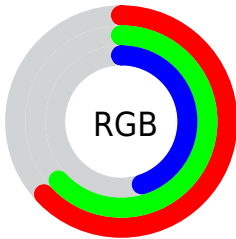
Format	Color
RYB	115, 161, 116
Decimal	10527091
CIELab	65.12, -7.96, 23.91
CIELCh	65, 25.197, 108.422
Yxy	34.2011, 0.3537, 0.3988
Android (android.graphics.Color)	4288717171 (0xFFA0A173)
YUV	155.4570, -19.9453, 3.9842
Hunter-Lab	58.4817, -9.7485, 19.4217

Details

The XYZ color **30.3366, 34.2011, 21.2222** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.7674, 18.5485, 36.2585**, and the grayscale version is **31.4404, 33.0777, 36.0216**.

A 20% lighter version of the original color is **59.5552, 66.3488, 46.2269**, and **12.7436, 14.7334, 7.3264** is the 20% darker color. If you saturate the color by 10%, you get **29.4201, 33.8276, 16.7584**, and if you desaturate by 10%, it is **31.4169, 34.6425, 26.5398**.

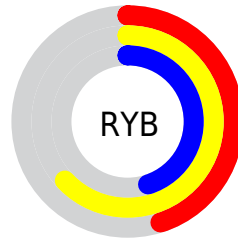
Distribution



Red (63%)

Green (63%)

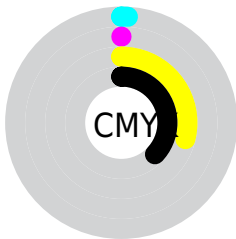
Blue (45%)



Red (45%)

Yellow (63%)

Blue (45%)

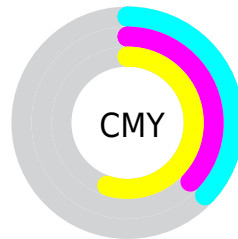


Cyan (1%)

Magenta (0%)

Yellow (29%)

Black (37%)



Cyan (37%)

Magenta (37%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3366, 34.2011, 21.2222 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 30.3366, 34.2011, 21.2222 by changing the saturation by 10% instead.

■ 30.3366, 34.2011,
21.2222

■ 30.3366, 34.2011,
21.2222

295.3520,
321.0278, 271.2767

■ 20.2436, 23.0481,
13.0937

■ 59.5771, 66.2463,
46.3426

■ 12.6815, 14.6291,
7.3616

■ 79.4552, 87.9073,
64.1716

■ 7.2851, 8.5595,
3.6074

■ 103.3257,
113.8397, 86.0712

■ 3.6889, 4.4550,
1.4125

■ 131.5541,
144.4281, 112.4599

■ 1.5277, 1.9312,
0.1515

164.5055,
180.0566, 143.7563

■ 0.3446, 0.5670,
0.0000

202.5454,

■ 0.0000, 0.0000,

221.1098, 180.3788

0.0000

246.0391,
267.9721, 222.7462

■ 30.3366, 34.2011,
21.2222

■ 30.3366, 34.2011,
21.2222

■ 29.4201, 33.8276,
16.7584

■ 31.4169, 34.6425,
26.5398

■ 28.6565, 33.5140,
13.1018

■ 32.6661, 35.1504,
32.7501

■ 28.0372, 33.2583,
10.2049

■ 34.0925, 35.7291,
39.8923

■ 27.5523, 33.0563,
8.0143

■ 35.7029, 36.3814,
48.0025

■ 27.1902, 32.9034,
6.4693

■ 37.5039, 37.1101,
57.1151

■ 26.9375, 32.7944,
5.4997

■ 39.5016, 37.9174,
67.2626

■ 26.7687, 32.7189,
4.9705

■ 41.7019, 38.8058,
78.4761

■ 26.7463, 32.7088,
4.9037

■ 44.1106, 39.7775,
90.7856

■ 45.9330, 40.5148,
100.0069

Harmonies

Analogous

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



33.9381, 34.2011, 20.7977



30.3366, 34.2011, 21.2222



27.5286, 34.2011, 25.4159

Triad

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



30.3366, 34.2011, 21.2222



28.0629, 34.2011, 54.4144



39.8890, 34.2011, 41.4265

Complementary

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



30.3366, 34.2011, 21.2222



19.7674, 18.5485, 36.2585

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.



38.0524, 34.2011, 52.2562



30.3366, 34.2011, 21.2222



31.1169, 34.2011, 60.6400

Square

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



30.3366, 34.2011, 21.2222



26.2852, 34.2011, 43.9680



34.7788, 34.2011, 59.7835



39.6407, 34.2011, 31.2344

Rectangle

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



30.3366, 34.2011, 21.2222



26.4003, 34.2011, 30.3169



34.7788, 34.2011, 59.7835



39.4897, 34.2011, 45.1423

Sweetspot

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



30.3375, 34.2026, 21.2229



58.3567, 62.8901, 57.9396



24.0121, 21.2527, 19.0567



12.7275, 13.7639, 12.3533



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.



30.3375, 34.2026, 21.2229



53.2987, 60.8298, 32.9792



26.1955, 32.0673, 21.0291



7.6341, 8.2294, 7.5662



21.3650, 26.1245, 3.9165



0.4534, 0.5512, 0.0825

Inverse Universe

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



19.7674, 18.5485, 36.2585



31.3511, 28.3241, 64.2013



23.1733, 20.3043, 36.4179



6.7141, 6.8670, 8.8747



5.1776, 2.0756, 27.0575



0.1128, 0.0457, 0.5687

Previews

White Background



This preview shows how the XYZ color 30.3366, 34.2011, 21.2222 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 30.3366, 34.2011, 21.2222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

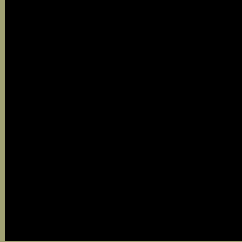
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.3366, 34.2011, 21.2222

Background



This preview shows how black text looks on a background with the XYZ color 30.3366, 34.2011, 21.2222.



This preview shows how white text looks on a background with the XYZ color 30.3366, 34.2011,

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

30.3366, 34.2011, 21.2222

Protanopia

31.8417, 34.2147, 20.8454

Deuteranopia

34.7710, 33.9824, 21.5562



Tritanopia

34.1644, 33.9714, 40.8329

Trichromacy



Original Color

30.3366, 34.2011, 21.2222

Protanomaly

31.1613, 34.1182, 20.8627

Deuteranomaly

33.0052, 34.0508, 21.3559

Tritanomaly

32.6333, 34.1130, 32.4683

Monochromacy



Original Color

30.3366, 34.2011, 21.2222

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 30.3366, 34.2011, 21.2222 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, 161, 115)` looks like.

```
.text, #text, p{  
    color:rgb(160, 161, 115)  
}
```

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, 161, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 161, 115) }
```

Border

The CSS property to change the border of an element to XYZ 30.3366, 34.2011, 21.2222 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, 161, 115) }
```


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

```
.border{ border-color:rgb(160, 161, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 161, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 161, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 161, 115);  
box-shadow:4px 4px 4px 4px rgb(160, 161,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3366, 34.2011, 21.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 161, 115) }
```

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

```
.background{ background-color: rgb(160,  
161, 115) }
```

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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