

Converting Colors

XYZ(29.1224, 33.9344, 12.5441)

Have a look what the booklet for
XYZ(29.1224, 33.9344, 12.5441)
contains.

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Color

**XYZ(29.2686, 34.1012,
12.6290)**

Conversions

Conversions Part 1

Format	Color
Hex	A2A250
RGB	162, 162, 80
RGB Percent	64%, 64%, 31%
CMY	0.3647, 0.3647, 0.6863
CMYK	0.00, 0.00, 0.51, 0.36
HSL	60°, 34%, 47%
HSV	60°, 51%, 64%
XYZ	29.2686, 34.1012, 12.6290
YIQ	152.6520, 26.3220, -25.5020

Conversions

Conversions Part 2

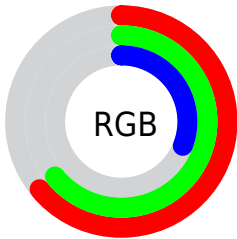
Format	Color
RYB	80, 162, 80
Decimal	10658384
CIELab	65.04, -11.68, 42.19
CIElCh	65, 43.779, 105.473
Yxy	34.1012, 0.3851, 0.4487
Android (android.graphics.Color)	4288848464 (0xFFA2A250)
YUV	152.6520, -35.8174, 8.1982
Hunter-Lab	58.3962, -12.7280, 28.0551

Details

The XYZ color **29.2686, 34.1012, 12.6290** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.6996, 10.0522, 35.4553**, and the grayscale version is **30.2704, 31.8468, 34.6812**.

A 20% lighter version of the original color is **57.8230, 66.1698, 31.1972**, and **12.1031, 14.6508, 3.4183** is the 20% darker color. If you saturate the color by 10%, you get **28.7410, 33.8914, 9.8479**, and if you desaturate by 10%, it is **29.9422, 34.3719, 16.1717**.

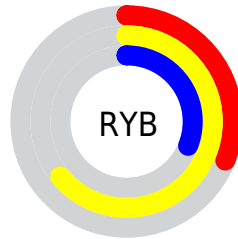
Distribution



Red (64%)

Green (64%)

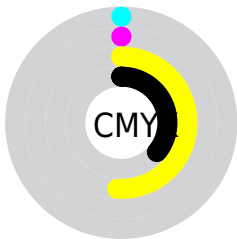
Blue (31%)



Red (31%)

Yellow (64%)

Blue (31%)

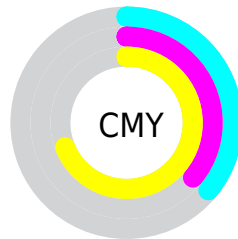


Cyan (0%)

Magenta (0%)

Yellow (51%)

Black (36%)



Cyan (36%)

Magenta (36%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2686, 34.1012, 12.6290 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 29.2686, 34.1012, 12.6290 by changing the saturation by 10% instead.

■ 29.2686, 34.1012,
12.6290

■ 29.2686, 34.1012,
12.6290

290.4516,
320.5831, 219.6498

■ 19.4294, 22.9714,
7.0459

■ 57.8982, 66.0910,
31.3170

■ 12.0868, 14.5724,
3.4119

■ 77.4193, 87.7198,
45.2589

■ 6.8754, 8.5198,
1.3086

■ 100.8984,
113.6170, 62.8242

■ 3.4300, 4.4293,
0.0688

■ 128.7009,
144.1670, 84.4314

■ 1.3850, 1.9165,
0.0000

■ 161.1921,
179.7542, 110.4990

■ 0.2455, 0.5583,
0.0000

198.7373,

■ 0.0000, 0.0000,

220.7630, 141.4456

0.0000

241.7021,
267.5778, 177.6896

■ 29.2686, 34.1012,
12.6290

■ 29.2686, 34.1012,
12.6290

■ 28.7410, 33.8914,
9.8479

■ 29.9422, 34.3719,
16.1717

■ 28.3463, 33.7335,
7.7706

■ 30.7689, 34.7026,
20.5238

■ 28.0735, 33.6243,
6.3347

■ 31.7580, 35.0983,
25.7318

■ 27.9083, 33.5582,
5.4659

■ 32.9178, 35.5622,
31.8382

■ 27.8205, 33.5231,
5.0043

■ 34.2557, 36.0974,
38.8823

■ 35.7787, 36.7066,
46.9015

■ 37.4935, 37.3925,
55.9309

■ 39.4066, 38.1578,
66.0038

■ 41.5238, 39.0047,
77.1523

Harmonies

Analogous

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



35.5661, 34.1012, 12.5565



29.2686, 34.1012, 12.6290



24.4775, 34.1012, 17.6398

Triad

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



29.2686, 34.1012, 12.6290



24.5956, 34.1012, 67.9832



45.6979, 34.1012, 46.5910

Complementary

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



29.2686, 34.1012, 12.6290



12.6996, 10.0522, 35.4553

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.



41.8993, 34.1012, 67.3756



29.2686, 34.1012, 12.6290



29.4504, 34.1012, 82.1981

Square

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



29.2686, 34.1012, 12.6290



22.0290, 34.1012, 47.2411



35.7731, 34.1012, 81.9452



45.6325, 34.1012, 28.5762

Rectangle

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



29.2686, 34.1012, 12.6290



22.5415, 34.1012, 24.4449



35.7731, 34.1012, 81.9452



44.8109, 34.1012, 53.5847

Sweetspot

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



29.2694, 34.1028, 12.6297



58.7345, 64.1483, 52.4142



19.2181, 13.9987, 9.2790



13.0975, 14.3698, 11.2772



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.



29.2694, 34.1028, 12.6297



52.0484, 61.4737, 17.2139



22.2548, 30.4866, 12.3014



7.6494, 8.2373, 7.5669



21.9164, 26.4088, 3.9423



0.4605, 0.5549, 0.0828

Inverse Universe

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



12.6996, 10.0522, 35.4553



18.4257, 12.6713, 63.5308



17.2764, 12.4116, 35.6695



6.7005, 6.8600, 8.8740



5.1380, 2.0552, 27.0557



0.1080, 0.0432, 0.5685

Previews

White Background



This preview shows how the XYZ color 29.2686, 34.1012, 12.6290 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 29.2686, 34.1012, 12.6290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

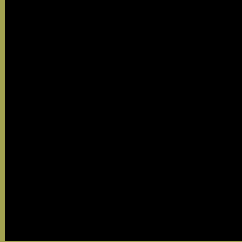
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.2686, 34.1012, 12.6290

Background



This preview shows how black text looks on a background with the XYZ color 29.2686, 34.1012, 12.6290.



This preview shows how white text looks on a background with the XYZ color 29.2686, 34.1012,

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

29.2686, 34.1012, 12.6290

Protanopia

31.0937, 34.0169, 12.3242

Deuteranopia

34.4600, 33.7747, 12.8865



Tritanopia

34.9774, 34.1570, 40.3468

Trichromacy



Original Color

29.2686, 34.1012, 12.6290

Protanomaly

30.3870, 33.9068, 12.3402

Deuteranomaly

32.3700, 33.6655, 12.7746

Tritanomaly

32.3400, 33.8230, 27.3782

Monochromacy



Original Color

29.2686, 34.1012, 12.6290

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.3647, 32.3512, 24.4354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2686, 34.1012, 12.6290 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(162, 162, 80)` looks like.

```
.text, #text, p{  
    color:rgb(162, 162, 80)  
}
```

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(162, 162, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 162, 80) }
```

Border

The CSS property to change the border of an element to XYZ 29.2686, 34.1012, 12.6290 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(162, 162, 80) }
```


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

```
.border{ border-color:rgb(162, 162, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 162, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 162, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 162, 80);  
box-shadow:4px 4px 4px 4px rgb(162, 162,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2686, 34.1012, 12.6290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 162, 80) }
```

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

```
.background{ background-color: rgb(162,  
162, 80) }
```

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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