

Converting Colors

XYZ(29.7788, 33.9051, 6.5135)

Have a look what the booklet for
XYZ(29.7788, 33.9051, 6.5135)
contains.

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Color

**XYZ(29.8728, 34.0278,
6.5069)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA022
RGB	172, 160, 34
RGB Percent	67%, 63%, 13%
CMY	0.3255, 0.3725, 0.8666
CMYK	0.00, 0.07, 0.80, 0.33
HSL	55°, 67%, 40%
HSV	55°, 80%, 67%
XYZ	29.8728, 34.0278, 6.5069
YIQ	149.2240, 47.5980, -36.6420

Conversions

Conversions Part 2

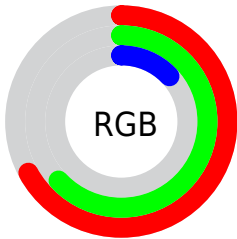
Format	Color
RYB	47, 172, 34
Decimal	11313186
CIELab	64.98, -9.12, 61.44
CIElCh	65, 62.109, 98.445
Yxy	34.0278, 0.4243, 0.4833
Android (android.graphics.Color)	4289503266 (0xFFACA022)
YUV	149.2240, -56.8054, 19.9746
Hunter-Lab	58.3334, -10.6726, 34.2197

Details

The XYZ color **29.8728, 34.0278, 6.5069** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.0832, 5.2727, 39.5684**, and the grayscale version is **28.8803, 30.3843, 33.0885**.

A 20% lighter version of the original color is **58.8899, 65.8374, 19.5016**, and **12.6711, 14.6503, 2.1599** is the 20% darker color. If you saturate the color by 10%, you get **29.4268, 33.4385, 5.4257**, and if you desaturate by 10%, it is **30.4476, 34.6762, 8.2441**.

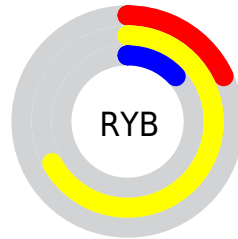
Distribution



Red (67%)

Green (63%)

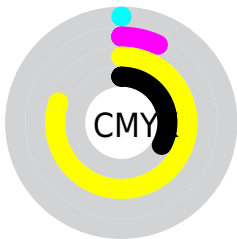
Blue (13%)



Red (18%)

Yellow (67%)

Blue (13%)

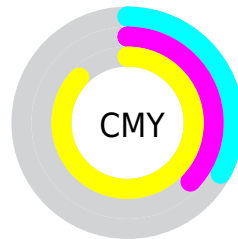


Cyan (0%)

Magenta (7%)

Yellow (80%)

Black (33%)



Cyan (33%)


Magenta (37%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8728, 34.0278, 6.5069 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 29.8728, 34.0278, 6.5069 by changing the saturation by 10% instead.


 29.8728, 34.0278,
6.5069


 29.8728, 34.0278,
6.5069


293.2316,
320.2560, 172.9736

 19.8897, 22.9150,
3.0820

 58.8490, 65.9769,
19.4698


 12.4227, 14.5307,
1.1366


 78.5727, 87.5819,
29.8449

 7.1064, 8.4907,
0.0000


 102.2740,
113.4532, 43.3737

 3.5757, 4.4105,
0.0000

 130.3182,
143.9750, 60.4749

 1.4650, 1.9057,
0.0000

 163.0708,
179.5318, 81.5669

 0.3018, 0.5518,
0.0000

 200.8969,

 0.0000, 0.0000,

220.5080, 107.0683

0.0000

244.1621,
267.2879, 137.3977

■ 29.8728, 34.0278,
6.5069

■ 29.8728, 34.0278,
6.5069

■ 29.4268, 33.4385,
5.4257

■ 30.4476, 34.6762,
8.2441

■ 29.0784, 32.9012,
4.8180

■ 31.1652, 35.3855,
10.7214

■ 32.0403, 36.1627,
14.0123

■ 33.0850, 37.0129,
18.1811

■ 34.3104, 37.9404,
23.2857

■ 35.7265, 38.9492,
29.3789

■ 37.3426, 40.0432,
36.5098

■ 39.1675, 41.2257,
44.7239

■ 41.2092, 42.5001,
54.0643

Harmonies

Analogous

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



39.1087, 34.0278, 7.4669



29.8728, 34.0278, 6.5069



22.7522, 34.0278, 10.2511

Triad

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



29.8728, 34.0278, 6.5069



20.6180, 34.0278, 77.0773



51.2024, 34.0278, 58.3457

Complementary

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



29.8728, 34.0278, 6.5069



9.0832, 5.2727, 39.5684

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.



44.3075, 34.0278, 90.8310



29.8728, 34.0278, 6.5069



26.4053, 34.0278, 104.6820

Square

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



29.8728, 34.0278, 6.5069



18.0950, 34.0278, 44.7959



34.9445, 34.0278, 110.6306



52.6007, 34.0278, 30.2536

Rectangle

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



29.8728, 34.0278, 6.5069



19.7491, 34.0278, 16.7321



34.9445, 34.0278, 110.6306



49.3966, 34.0278, 69.4148

Sweetspot

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



29.8736, 34.0294, 6.5076



63.6913, 69.8731, 48.4306



18.1148, 10.1267, 3.7751



13.6515, 15.0489, 9.7093



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.8736, 34.0294, 6.5076



52.9070, 59.9174, 9.0345



22.3507, 33.3885, 6.7804



8.6023, 9.2093, 8.5376



21.6594, 24.5243, 3.5921



0.6195, 0.7163, 0.1056

Inverse Universe

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



9.0832, 5.2727, 39.5684



14.0294, 6.2779, 71.2781



12.1578, 6.2568, 39.5963



7.6328, 7.8650, 10.0685



5.6862, 2.5064, 29.2286



0.1758, 0.1050, 0.8190

Previews

White Background



This preview shows how the XYZ color 29.8728, 34.0278, 6.5069 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 29.8728, 34.0278, 6.5069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

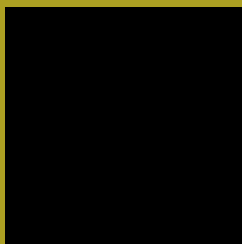
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8728, 34.0278, 6.5069

Background



This preview shows how black text looks on a background with the XYZ color 29.8728, 34.0278, 6.5069.



This preview shows how white text looks on a background with the XYZ color 29.8728, 34.0278,

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

29.8728, 34.0278, 6.5069

Protanopia

30.6471, 33.9163, 6.4446

Deuteranopia

34.5613, 33.9649, 6.6538



Tritanopia

36.2365, 33.8919, 38.3501

Trichromacy



Original Color

29.8728, 34.0278, 6.5069

Protanomaly

30.3661, 34.0257, 6.4805

Deuteranomaly

32.8758, 34.0636, 6.5925

Tritanomaly

32.8458, 33.4852, 20.9518

Monochromacy



Original Color

29.8728, 34.0278, 6.5069

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

27.9497, 31.0121, 18.4227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8728, 34.0278, 6.5069 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(172, 160, 34)` looks like.

```
.text, #text, p{  
    color:rgb(172, 160, 34)  
}
```

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(172, 160, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 160, 34) }
```

Border

The CSS property to change the border of an element to XYZ 29.8728, 34.0278, 6.5069 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(172, 160, 34) }
```


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

```
.border{ border-color:rgb(172, 160, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 160, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 160, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 160, 34);  
box-shadow:4px 4px 4px 4px rgb(172, 160,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8728, 34.0278, 6.5069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 160, 34) }
```

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

```
.background{ background-color: rgb(172,  
160, 34) }
```

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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