

Converting Colors

XYZ(29.9752, 34.8780, 12.4905)

Have a look what the booklet for
XYZ(29.9752, 34.8780, 12.4905)
contains.

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Color

**XYZ(29.9966, 35.0079,
12.5734)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A44F
RGB	164, 164, 79
RGB Percent	64%, 64%, 31%
CMY	0.3569, 0.3568, 0.6902
CMYK	0.00, 0.00, 0.52, 0.36
HSL	60°, 35%, 48%
HSV	60°, 52%, 64%
XYZ	29.9966, 35.0079, 12.5734
YIQ	154.3100, 27.2850, -26.4350

Conversions

Conversions Part 2

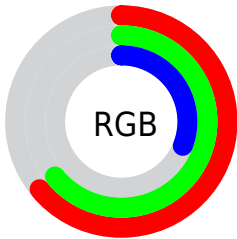
Format	Color
RYB	79, 164, 79
Decimal	10789967
CIELab	65.75, -11.97, 43.56
CIELCh	66, 45.179, 105.366
Yxy	35.0079, 0.3867, 0.4513
Android (android.graphics.Color)	4288980047 (0xFFA4A44F)
YUV	154.3100, -37.1278, 8.4981
Hunter-Lab	59.1675, -13.0475, 28.8178

Details

The XYZ color **29.9966, 35.0079, 12.5734** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.7224, 9.9354, 36.3712**, and the grayscale version is **31.0019, 32.6165, 35.5193**.

A 20% lighter version of the original color is **59.2470, 67.6739, 31.4124**, and **12.4463, 14.9920, 3.4002** is the 20% darker color. If you saturate the color by 10%, you get **29.4720, 34.7993, 9.8082**, and if you desaturate by 10%, it is **30.6702, 35.2786, 16.1158**.

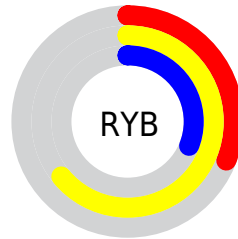
Distribution



Red (64%)

Green (64%)

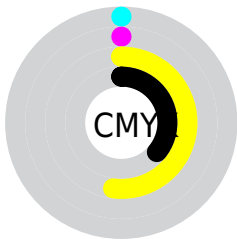
Blue (31%)



Red (31%)

Yellow (64%)

Blue (31%)

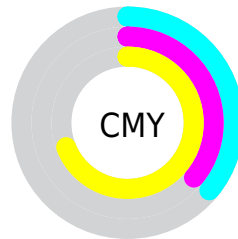


Cyan (0%)

Magenta (0%)

Yellow (52%)

Black (36%)



Cyan (36%)

Magenta (36%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9966, 35.0079, 12.5734 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 29.9966, 35.0079, 12.5734 by changing the saturation by 10% instead.

■ 29.9966, 35.0079,
12.5734

■ 29.9966, 35.0079,
12.5734

293.7987,
324.6032, 219.2762

■ 19.9841, 23.6690,
7.0082

■ 59.0435, 67.4980,
31.2151

■ 12.4917, 15.0882,
3.3887

■ 78.8085, 89.4180,
45.1287

■ 7.1540, 8.8813,
1.2964

■ 102.5551,
115.6337, 62.6621

■ 3.6058, 4.6639,
0.0588

■ 130.6486,
146.5297, 84.2339

■ 1.4816, 2.0514,
0.0000

■ 163.4543,
182.4902, 110.2627

■ 0.3133, 0.6371,
0.0000

201.3377,

■ 0.0000, 0.0000,

223.8997, 141.1670

0.0000

244.6641,
271.1426, 177.3653

■ 29.9966, 35.0079,
12.5734

■ 29.9966, 35.0079,
12.5734

■ 29.4720, 34.7993,
9.8082

■ 30.6702, 35.2786,
16.1158

■ 29.0828, 34.6436,
7.7597

■ 31.5001, 35.6106,
20.4852

■ 28.8174, 34.5374,
6.3626

■ 32.4963, 36.0091,
25.7302

■ 28.6606, 34.4747,
5.5382

■ 33.6671, 36.4775,
31.8948

■ 28.5852, 34.4445,
5.1419

■ 35.0204, 37.0188,
39.0200

■ 36.5634, 37.6360,
47.1444

■ 38.3031, 38.3319,
56.3046

■ 40.2460, 39.1091,
66.5351

■ 42.3985, 39.9701,
77.8690

Harmonies

Analogous

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



36.6130, 35.0079, 12.5156



29.9966, 35.0079, 12.5734



24.9725, 35.0079, 17.7305

Triad

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



29.9966, 35.0079, 12.5734



25.0682, 35.0079, 70.6007



47.2561, 35.0079, 48.1474

Complementary

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



29.9966, 35.0079, 12.5734



12.7224, 9.9354, 36.3712

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.



43.2371, 35.0079, 70.1021



29.9966, 35.0079, 12.5734



30.1443, 35.0079, 85.7151

Square

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



29.9966, 35.0079, 12.5734



22.3964, 35.0079, 48.6782



36.7817, 35.0079, 85.5070



47.2026, 35.0079, 29.2069

Rectangle

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



29.9966, 35.0079, 12.5734



22.9439, 35.0079, 24.7907



36.7817, 35.0079, 85.5070



46.3154, 35.0079, 55.5265

Sweetspot

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



29.9974, 35.0095, 12.5741



60.1176, 65.8128, 52.6762



19.5183, 14.0499, 9.0808



13.0536, 14.3522, 11.0458



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.



29.9974, 35.0095, 12.5741



53.3853, 63.1197, 17.2323



22.6435, 31.2184, 12.2300



7.6494, 8.2373, 7.5669



21.9165, 26.4088, 3.9423



0.4605, 0.5549, 0.0828

Inverse Universe

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



12.7224, 9.9354, 36.3712



18.5631, 12.5763, 65.2014



17.4533, 12.3743, 36.5926



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 29.9966, 35.0079, 12.5734 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 29.9966, 35.0079, 12.5734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

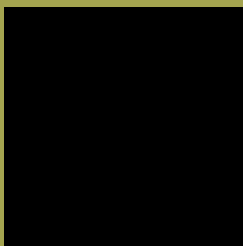
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

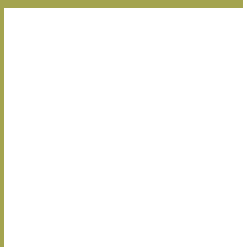
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9966, 35.0079, 12.5734

Background



This preview shows how black text looks on a background with the XYZ color 29.9966, 35.0079, 12.5734.



This preview shows how white text looks on a background with the XYZ color 29.9966, 35.0079,

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

29.9966, 35.0079, 12.5734

Protanopia

32.0774, 35.0388, 12.2802

Deuteranopia

35.5162, 34.8014, 12.8281



Tritanopia

35.7642, 34.7855, 41.3885

Trichromacy



Original Color

29.9966, 35.0079, 12.5734

Protanomaly

31.1333, 34.8105, 12.2859

Deuteranomaly

33.1408, 34.5614, 12.7089

Tritanomaly

33.1776, 34.7490, 27.8803

Monochromacy



Original Color

29.9966, 35.0079, 12.5734

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.1582, 33.2551, 24.9080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9966, 35.0079, 12.5734 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(164, 164, 79)` looks like.

```
.text, #text, p{  
    color:rgb(164, 164, 79)  
}
```

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(164, 164, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 164, 79) }
```

Border

The CSS property to change the border of an element to XYZ 29.9966, 35.0079, 12.5734 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(164, 164, 79) }
```


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

```
.border{ border-color:rgb(164, 164, 79) }
```

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

Here you see how a box with a 4 pixel rgb(164, 164, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 164, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 164, 79);  
box-shadow:4px 4px 4px 4px rgb(164, 164,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9966, 35.0079, 12.5734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 164, 79) }
```

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

```
.background{ background-color: rgb(164,  
164, 79) }
```

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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