

Converting Colors

XYZ(17.5618, 12.5011, 4.7389)

Have a look what the booklet for
XYZ(17.5618, 12.5011, 4.7389)
contains.

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Color

**XYZ(17.4996, 12.4866,
4.7366)**

Conversions

Conversions Part 1

Format	Color
Hex	A04934
RGB	160, 73, 52
RGB Percent	63%, 29%, 20%
CMY	0.3726, 0.7137, 0.7961
CMYK	0.00, 0.54, 0.67, 0.37
HSL	12°, 51%, 42%
HSV	12°, 67%, 63%
XYZ	17.4996, 12.4866, 4.7366
YIQ	96.6190, 58.5930, 11.9130

Conversions

Conversions Part 2

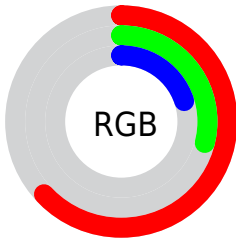
Format	Color
RYB	160, 78, 52
Decimal	10504500
CIELab	41.98, 34.54, 29.62
CIELCh	42, 45.501, 40.623
Yxy	12.4866, 0.5040, 0.3596
Android (android.graphics.Color)	4288694580 (0xFFA04934)
YUV	96.6190, -21.9972, 55.5851
Hunter-Lab	35.3364, 26.5597, 16.7881

Details

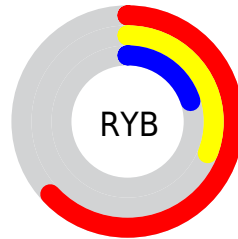
The XYZ color **17.4996, 12.4866, 4.7366** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.9932, 21.7319, 36.5566**, and the grayscale version is **11.3114, 11.9005, 12.9596**.

A 20% lighter version of the original color is **38.6732, 30.3762, 15.6293**, and **5.9383, 3.5117, 0.5659** is the 20% darker color. If you saturate the color by 10%, you get **16.4376, 10.8449, 2.8960**, and if you desaturate by 10%, it is **18.8598, 14.5295, 7.2794**.

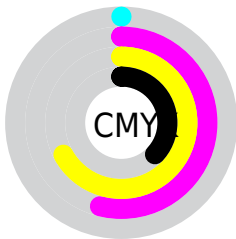
Distribution



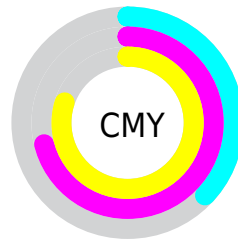
- Red (63%)
- Green (29%)
- Blue (20%)



- Red (63%)
- Yellow (31%)
- Blue (20%)



- Cyan (0%)
- Magenta (54%)
- Yellow (67%)
- Black (37%)





- Cyan (37%)
- Magenta (71%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.4996, 12.4866, 4.7366 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 17.4996, 12.4866, 4.7366 by changing the saturation by 10% instead.


 17.4996, 12.4866,
4.7366


 17.4996, 12.4866,
4.7366


231.1357,
207.6006, 156.0911


 10.6888, 7.0760,
2.0375


 38.7196, 30.3783,
15.6758


 5.9237, 3.5097,
0.5782

 53.8595, 43.6282,
24.7530


 2.8390, 1.4032,
0.0000

 72.5066, 60.2599,
36.7934

 1.0692, 0.2191,
0.0000

 95.0261, 80.6579,
52.2154

 0.0000, 0.0000,
0.0000

 121.7834,
105.2066, 71.4377

 153.1439,

134.2904, 94.8787

189.4729,
168.2936, 122.9570

■ 17.4996, 12.4866,
4.7366

■ 17.4996, 12.4866,
4.7366

■ 16.4376, 10.8449,
2.8960

■ 18.8598, 14.5295,
7.2794

■ 15.6491, 9.5755,
1.6853

■ 20.5386, 16.9960,
10.5857

■ 15.1009, 8.6460,
0.9878

■ 22.5552, 19.9093,
14.7108

■ 14.9902, 8.4597,
0.8428

■ 24.9273, 23.2901,
19.7047

■ 27.6712, 27.1579,
25.6135

■ 30.8022, 31.5312,
32.4798

■ 34.3347, 36.4273,
40.3437

■ 38.2824, 41.8628,
49.2428

■ 42.6583, 47.8537,
59.2131

Harmonies

Analogous

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



19.4476, 12.4866, 10.4524



17.4996, 12.4866, 4.7366



14.1514, 12.4866, 2.5259

Triad

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



17.4996, 12.4866, 4.7366



6.7431, 12.4866, 8.3196



13.1037, 12.4866, 41.2233

Complementary

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



17.4996, 12.4866, 4.7366



16.9932, 21.7319, 36.5566

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.



9.8447, 12.4866, 39.7060



17.4996, 12.4866, 4.7366



6.5689, 12.4866, 17.3135

Square

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



17.4996, 12.4866, 4.7366



8.1281, 12.4866, 3.8122



7.5965, 12.4866, 29.6193



16.6088, 12.4866, 33.1157

Rectangle

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



17.4996, 12.4866, 4.7366



11.7978, 12.4866, 2.1991



7.5965, 12.4866, 29.6193



11.9388, 12.4866, 41.8911

Sweetspot

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



17.4999, 12.4873, 4.7368



48.7344, 47.1915, 43.2354



20.4735, 11.8289, 26.0924



10.3976, 9.9406, 8.8555



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.



17.4999, 12.4873, 4.7368



29.0621, 18.4431, 4.0115



22.5523, 22.5921, 6.4210



6.7323, 6.8447, 6.9520



11.7030, 6.6416, 0.6651



0.2342, 0.1687, 0.0202

Inverse Universe

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



16.9932, 21.7319, 36.5566



27.9421, 36.1672, 65.8948



11.1051, 9.9557, 34.5939



6.7122, 7.2901, 8.4600



11.0766, 14.2447, 28.0729



0.2238, 0.3062, 0.5105

Previews

White Background



This preview shows how the XYZ color 17.4996, 12.4866, 4.7366 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 17.4996, 12.4866, 4.7366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.4996, 12.4866, 4.7366

Background



This preview shows how black text looks on a background with the XYZ color 17.4996, 12.4866, 4.7366.



This preview shows how white text looks on a background with the XYZ color 17.4996, 12.4866,

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

17.4996, 12.4866, 4.7366

Protanopia

11.7062, 12.7025, 6.2497

Deuteranopia

12.7737, 12.6006, 4.4482



Tritanopia

18.1581, 12.4654, 8.1056

Trichromacy



Original Color

17.4996, 12.4866, 4.7366

Protanomaly

13.3220, 12.2070, 5.6570

Deuteranomaly

14.1159, 12.2724, 4.5305

Tritanomaly

17.9643, 12.4888, 6.7739

Monochromacy



Original Color

17.4996, 12.4866, 4.7366

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.7207, 11.5666, 9.3467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4996, 12.4866, 4.7366 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, 73, 52)` looks like.

```
.text, #text, p{  
    color:rgb(160, 73, 52)  
}
```

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, 73, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 73, 52) }
```

Border

The CSS property to change the border of an element to XYZ 17.4996, 12.4866, 4.7366 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, 73, 52) }
```


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

```
.border{ border-color:rgb(160, 73, 52) }
```

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

Here you see how a box with a 4 pixel rgb(160, 73, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 73, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 73, 52);  
box-shadow:4px 4px 4px 4px rgb(160, 73,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4996, 12.4866, 4.7366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 73, 52) }
```

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

```
.background{ background-color: rgb(160, 73,  
52) }
```

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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