

Converting Colors

XYZ(17.8530, 12.6981, 3.4295)

Have a look what the booklet for
XYZ(17.8530, 12.6981, 3.4295)
contains.

XYZ(17.8530, 12.6981, 3.4295)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.8530, 12.6981,
3.4295)**

Conversions

Conversions Part 1

Format	Color
Hex	A34927
RGB	163, 73, 39
RGB Percent	64%, 29%, 15%
CMY	0.3608, 0.7137, 0.8471
CMYK	0.00, 0.55, 0.76, 0.36
HSL	16°, 61%, 40%
HSV	16°, 76%, 64%
XYZ	17.8530, 12.6981, 3.4295
YIQ	96.0340, 64.5540, 8.5060

Conversions

Conversions Part 2

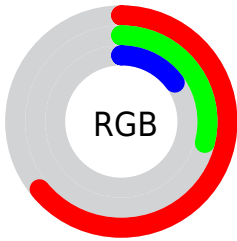
Format	Color
R _Y B	163, 86, 39
Decimal	10701095
CIE Lab	42.30, 35.03, 37.36
CIE LCh	42, 51.220, 46.843
Yxy	12.6981, 0.5254, 0.3737
Android (android.graphics.Color)	4288891175 (0xFFA34927)
YUV	96.0340, -28.1178, 58.7292
Hunter-Lab	35.6344, 27.0692, 19.2379

Details

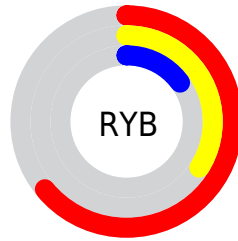
The XYZ color **17.8530, 12.6981, 3.4295** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.2972, 18.7749, 37.4677**, and the grayscale version is **11.1820, 11.7644, 12.8114**.

A 20% lighter version of the original color is **39.3188, 30.7752, 12.6720**, and **6.1321, 3.6160, 0.3748** is the 20% darker color. If you saturate the color by 10%, you get **16.9340, 11.2034, 2.0650**, and if you desaturate by 10%, it is **19.0365, 14.5364, 5.4549**.

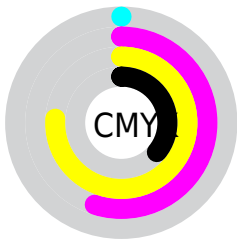
Distribution



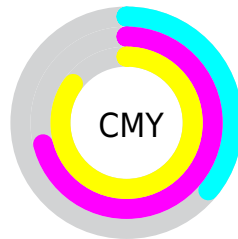
- Red (64%)
- Green (29%)
- Blue (15%)



- Red (64%)
- Yellow (34%)
- Blue (15%)



- Cyan (0%)
- Magenta (55%)
- Yellow (76%)
- Black (36%)





- Cyan (36%)
- Magenta (71%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8530, 12.6981, 3.4295 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 17.8530, 12.6981, 3.4295 by changing the saturation by 10% instead.


 17.8530, 12.6981,
3.4295


 17.8530, 12.6981,
3.4295

233.1028,
208.9737, 141.6559


 10.9435, 7.2210,
1.3179


 39.3187, 30.7603,
12.6710


 6.0959, 3.6007,
0.0764


 54.6057, 44.1142,
20.6381

 2.9447, 1.4528,
0.0000

 73.4159, 60.8625,
31.3940

 1.1246, 0.2552,
0.0000

 96.1147, 81.3896,
45.3574

 0.0455, 0.0000,
0.0000

 123.0675,
106.0799, 62.9467

 0.0000, 0.0000,
0.0000

 154.6395,

135.3177, 84.5805

191.1961,
169.4875, 110.6774

17.8530, 12.6981,
3.4295

17.8530, 12.6981,
3.4295

16.9340, 11.2034,
2.0650

19.0365, 14.5364,
5.4549

16.2520, 10.0262,
1.2625

20.5047, 16.7369,
8.2127

16.0311, 9.6404,
1.0159

22.2765, 19.3194,
11.7660

24.3688, 22.3014,
16.1706

26.7972, 25.6995,
21.4773

■ 29.5763, 29.5290,
27.7330

■ 32.7198, 33.8047,
34.9812

■ 36.2405, 38.5406,
43.2627

■ 40.1508, 43.7500,
52.6162

Harmonies

Analogous

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



20.5993, 12.6981, 8.5621



17.8530, 12.6981, 3.4295



13.8280, 12.6981, 1.7685

Triad

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



17.8530, 12.6981, 3.4295



6.2152, 12.6981, 9.5519



14.3361, 12.6981, 45.5210

Complementary

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



17.8530, 12.6981, 3.4295



15.2972, 18.7749, 37.4677

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.



10.4662, 12.6981, 46.3041



17.8530, 12.6981, 3.4295



6.2945, 12.6981, 20.8981

Square

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



17.8530, 12.6981, 3.4295



7.4467, 12.6981, 3.8231



7.6926, 12.6981, 35.6831



18.2923, 12.6981, 33.9049

Rectangle

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



17.8530, 12.6981, 3.4295



11.2111, 12.6981, 1.6679



7.6926, 12.6981, 35.6831



12.9699, 12.6981, 47.2149

Sweetspot

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



17.8533, 12.6988, 3.4297



49.2470, 47.7647, 41.2604



19.8545, 10.8475, 22.1429



10.6939, 10.2194, 8.4508



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.



17.8533, 12.6988, 3.4297



29.4773, 18.6097, 2.6567



24.0047, 25.0016, 5.4802



7.2245, 7.3874, 7.4252



12.4929, 7.5597, 0.8007



0.2998, 0.2334, 0.0293

Inverse Universe

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



15.2972, 18.7749, 37.4677



24.4784, 29.6134, 66.4819



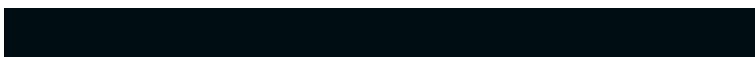
9.5107, 7.2020, 35.5389



7.1111, 7.6812, 9.0109



10.2395, 12.2585, 28.7562



0.2513, 0.3299, 0.6163

Previews

White Background



This preview shows how the XYZ color 17.8530, 12.6981, 3.4295 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 17.8530, 12.6981, 3.4295 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 17.8530, 12.6981, 3.4295

Background



This preview shows how black text looks on a background with the XYZ color 17.8530, 12.6981, 3.4295.



This preview shows how white text looks on a background with the XYZ color 17.8530, 12.6981,

3.4295.

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

17.8530, 12.6981, 3.4295

Protanopia

11.7223, 12.8921, 4.5599

Deuteranopia

13.0616, 12.9112, 3.2425



Tritanopia

18.8812, 12.7500, 7.9444

Trichromacy



Original Color

17.8530, 12.6981, 3.4295

Protanomaly

13.4016, 12.4098, 4.0719

Deuteranomaly

14.4406, 12.5898, 3.2591

Tritanomaly

18.3423, 12.6098, 5.8821

Monochromacy



Original Color

17.8530, 12.6981, 3.4295

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.5055, 11.4805, 8.2135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8530, 12.6981, 3.4295 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(163, 73, 39)` looks like.

```
.text, #text, p{  
    color:rgb(163, 73, 39)  
}
```

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(163, 73, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 73, 39) }
```

Border

The CSS property to change the border of an element to XYZ 17.8530, 12.6981, 3.4295 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(163, 73, 39) }
```


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

```
.border{ border-color:rgb(163, 73, 39) }
```

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

Here you see how a box with a 4 pixel rgb(163, 73, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 73, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 73, 39);  
box-shadow:4px 4px 4px 4px rgb(163, 73,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8530, 12.6981, 3.4295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 73, 39) }
```

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

```
.background{ background-color: rgb(163, 73,  
39) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor