

Converting Colors

XYZ(17.4845, 12.1403, 3.5975)

Have a look what the booklet for
XYZ(17.4845, 12.1403, 3.5975)
contains.

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Color

**XYZ(17.4463, 12.1048,
3.6074)**

Conversions

Conversions Part 1

Format	Color
Hex	A2452A
RGB	162, 69, 42
RGB Percent	64%, 27%, 16%
CMY	0.3647, 0.7294, 0.8353
CMYK	0.00, 0.57, 0.74, 0.36
HSL	14°, 59%, 40%
HSV	14°, 74%, 64%
XYZ	17.4463, 12.1048, 3.6074
YIQ	93.7290, 64.0950, 11.3190

Conversions

Conversions Part 2

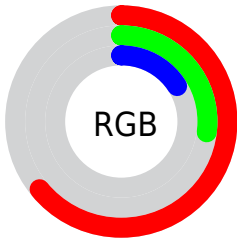
Format	Color
RYB	162, 77, 42
Decimal	10634538
CIELab	41.38, 36.82, 34.70
CIElCh	41, 50.594, 43.302
Yxy	12.1048, 0.5261, 0.3651
Android (android.graphics.Color)	4288824618 (0xFFA2452A)
YUV	93.7290, -25.5024, 59.8737
Hunter-Lab	34.7920, 28.6223, 18.2069

Details

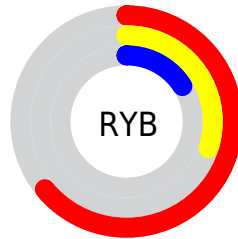
The XYZ color **17.4463, 12.1048, 3.6074** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.1395, 20.4271, 37.2743**, and the grayscale version is **10.6235, 11.1767, 12.1714**.

A 20% lighter version of the original color is **38.6438, 29.6838, 13.1440**, and **5.9094, 3.3440, 0.3340** is the 20% darker color. If you saturate the color by 10%, you get **16.5206, 10.6274, 2.1462**, and if you desaturate by 10%, it is **18.6532, 13.9573, 5.7407**.

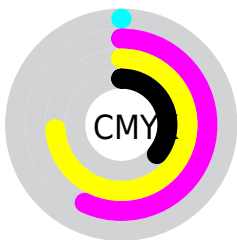
Distribution



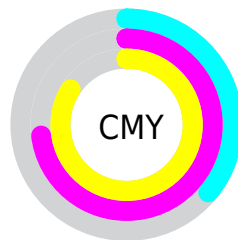
- Red (64%)
- Green (27%)
- Blue (16%)



- Red (64%)
- Yellow (30%)
- Blue (16%)



- Cyan (0%)
- Magenta (57%)
- Yellow (74%)
- Black (36%)



- Cyan (36%)
- Magenta (73%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4463, 12.1048, 3.6074 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 17.4463, 12.1048, 3.6074 by changing the saturation by 10% instead.

■ 17.4463, 12.1048,
3.6074

■ 17.4463, 12.1048,
3.6074

230.8377,
205.0979, 143.7562

■ 10.6505, 6.8151,
1.4125

■ 38.6291, 29.6858,
13.0937

■ 5.8979, 3.3467,
0.1515

■ 53.7467, 42.7459,
21.2222

■ 2.8231, 1.3153,
0.0000

■ 72.3690, 59.1650,
32.1656

■ 1.0609, 0.1530,
0.0000

■ 94.8613, 79.3273,
46.3426

■ 0.0000, 0.0000,
0.0000

■ 121.5890,
103.6174, 64.1716

■ 152.9174,

132.4196, 86.0712

189.2119,
166.1183, 112.4599

■ 17.4463, 12.1048,
3.6074

■ 17.4463, 12.1048,
3.6074

■ 16.5206, 10.6274,
2.1462

■ 18.6532, 13.9573,
5.7407

■ 15.8496, 9.4961,
1.2733

■ 20.1626, 16.2069,
8.6151

■ 15.5450, 8.9709,
0.9123

■ 21.9945, 18.8762,
12.2916

■ 24.1669, 21.9854,
16.8248

■ 26.6964, 25.5535,
22.2643

■ 29.5985, 29.5982,
28.6559

■ 32.8878, 34.1365,
36.0425

■ 36.5780, 39.1842,
44.4641

■ 40.6823, 44.7568,
53.9587

Harmonies

Analogous

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



19.8347, 12.1048, 9.0537



17.4463, 12.1048, 3.6074



13.6555, 12.1048, 1.7502

Triad

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



17.4463, 12.1048, 3.6074



5.9811, 12.1048, 8.1820



13.2073, 12.1048, 44.2756

Complementary

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



17.4463, 12.1048, 3.6074



16.1395, 20.4271, 37.2743

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.



9.5935, 12.1048, 43.5834



17.4463, 12.1048, 3.6074



5.9113, 12.1048, 18.4012

Square

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



17.4463, 12.1048, 3.6074



7.3105, 12.1048, 3.2618



7.0940, 12.1048, 32.4805



17.0586, 12.1048, 34.0514

Rectangle

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



17.4463, 12.1048, 3.6074



11.1034, 12.1048, 1.5455



7.0940, 12.1048, 32.4805



11.9167, 12.1048, 45.4269

Sweetspot

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



17.4466, 12.1055, 3.6076



49.2904, 47.5456, 42.2182



20.1720, 11.1148, 24.3746



10.7856, 10.2795, 8.8614



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.



17.4466, 12.1055, 3.6076



29.1373, 17.8665, 2.7383



23.0372, 23.2867, 5.4711



7.1971, 7.3326, 7.4161



12.2747, 7.1233, 0.7280



0.2903, 0.2144, 0.0261

Inverse Universe

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



16.1395, 20.4271, 37.2743



26.4354, 33.3934, 67.1084



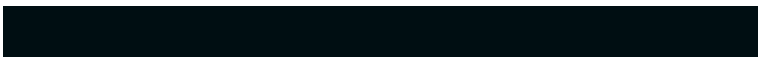
10.0609, 8.2698, 35.2481



7.1403, 7.7396, 9.0206



11.0028, 13.7851, 29.0107



0.2628, 0.3528, 0.6201

Previews

White Background



This preview shows how the XYZ color 17.4463, 12.1048, 3.6074 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



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 17.4463, 12.1048, 3.6074

Background



This preview shows how black text looks on a background with the XYZ color 17.4463, 12.1048, 3.6074.



This preview shows how white text looks on a background with the XYZ color 17.4463, 12.1048,

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

17.4463, 12.1048, 3.6074

Protanopia

11.2719, 12.2256, 4.8976

Deuteranopia

12.4012, 12.1670, 3.3639



Tritanopia

18.1580, 12.1252, 7.1777

Trichromacy



Original Color

17.4463, 12.1048, 3.6074

Protanomaly

12.8438, 11.6190, 4.3621

Deuteranomaly

13.8367, 11.7990, 3.3819

Tritanomaly

17.9270, 12.1271, 5.6709

Monochromacy



Original Color

17.4463, 12.1048, 3.6074

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.1262, 10.9269, 8.1266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4463, 12.1048, 3.6074 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, 69, 42)` looks like.

```
.text, #text, p{  
    color:rgb(162, 69, 42)  
}
```

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, 69, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 69, 42) }
```

Border

The CSS property to change the border of an element to XYZ 17.4463, 12.1048, 3.6074 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, 69, 42) }
```


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

```
.border{ border-color:rgb(162, 69, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 69, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 69, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 69, 42);  
box-shadow:4px 4px 4px 4px rgb(162, 69,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4463, 12.1048, 3.6074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 69, 42) }
```

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

```
.background{ background-color: rgb(162, 69,  
42) }
```

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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