

Converting Colors

XYZ(17.2981, 11.8427, 3.7838)

Have a look what the booklet for
XYZ(17.2981, 11.8427, 3.7838)
contains.

XYZ(17.3621, 11.8775, 3.7604)	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(17.3621, 11.8775,
3.7604)**

Conversions

Conversions Part 1

Format	Color
Hex	A2432C
RGB	162, 67, 44
RGB Percent	64%, 26%, 17%
CMY	0.3647, 0.7372, 0.8274
CMYK	0.00, 0.59, 0.73, 0.36
HSL	12°, 57%, 40%
HSV	12°, 73%, 64%
XYZ	17.3621, 11.8775, 3.7604
YIQ	92.7830, 64.0030, 12.9870

Conversions

Conversions Part 2

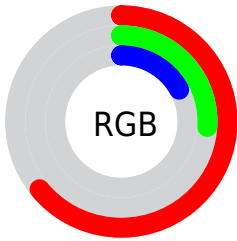
Format	Color
RYB	162, 73, 44
Decimal	10634028
CIELab	41.02, 37.92, 33.18
CIElCh	41, 50.387, 41.186
Yxy	11.8775, 0.5261, 0.3599
Android (android.graphics.Color)	4288824108 (0xFFA2432C)
YUV	92.7830, -24.0500, 60.7033
Hunter-Lab	34.4637, 29.6129, 17.6554

Details

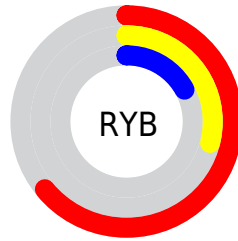
The XYZ color **17.3621, 11.8775, 3.7604** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.7923, 21.6081, 37.4681**, and the grayscale version is **10.3981, 10.9396, 11.9132**.

A 20% lighter version of the original color is **38.4910, 29.2418, 13.5131**, and **5.8660, 3.2571, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **16.4250, 10.3992, 2.2277**, and if you desaturate by 10%, it is **18.5933, 13.7540, 5.9777**.

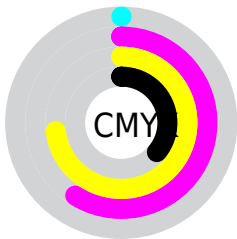
Distribution



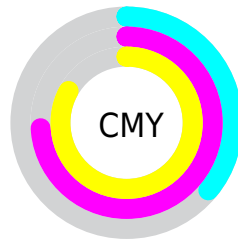
- Red (64%)
- Green (26%)
- Blue (17%)



- Red (64%)
- Yellow (29%)
- Blue (17%)



- Cyan (0%)
- Magenta (59%)
- Yellow (73%)
- Black (36%)





- Cyan (36%)
- Magenta (74%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3621, 11.8775, 3.7604 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 17.3621, 11.8775, 3.7604 by changing the saturation by 10% instead.


 17.3621, 11.8775,
3.7604


 17.3621, 11.8775,
3.7604

230.3663,
203.5926, 145.5238


 10.5899, 6.6603,
1.4948


 38.4860, 29.2718,
13.4533


 5.8570, 3.2506,
0.2141

 53.5684, 42.2177,
21.7177


 2.7982, 1.2639,
0.0000

 72.1515, 58.5086,
32.8188

 1.0480, 0.1130,
0.0000

 94.6008, 78.5290,
47.1752

 0.0000, 0.0000,
0.0000

 121.2816,
102.6632, 65.2053

 152.5592,

131.2956, 87.3278

188.7989,
164.8106, 113.9611

■ 17.3621, 11.8775,
3.7604

■ 17.3621, 11.8775,
3.7604

■ 16.4250, 10.3992,
2.2277

■ 18.5933, 13.7540,
5.9777

■ 15.7544, 9.2874,
1.2975

■ 20.1409, 16.0531,
8.9478

■ 15.4056, 8.6920,
0.8658

■ 22.0259, 18.7996,
12.7313

■ 24.2672, 22.0159,
17.3824

■ 26.8823, 25.7227,
22.9505

■ 29.8875, 29.9395,
29.4815

■ 33.2980, 34.6848,
37.0179

■ 37.1285, 39.9760,
45.6000

■ 41.3925, 45.8299,
55.2656

Harmonies

Analogous

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



19.5622, 11.8775, 9.4457



17.3621, 11.8775, 3.7604



13.6796, 11.8775, 1.7650

Triad

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



17.3621, 11.8775, 3.7604



5.9098, 11.8775, 7.5214



12.6905, 11.8775, 43.8913

Complementary

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



17.3621, 11.8775, 3.7604



16.7923, 21.6081, 37.4681

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.



9.1949, 11.8775, 42.3633



17.3621, 11.8775, 3.7604



5.7559, 11.8775, 17.1866

Square

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



17.3621, 11.8775, 3.7604



7.3065, 11.8775, 2.9978



6.8287, 11.8775, 30.9436



16.5064, 11.8775, 34.4115

Rectangle

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



17.3621, 11.8775, 3.7604



11.1460, 11.8775, 1.4991



6.8287, 11.8775, 30.9436



11.4336, 11.8775, 44.7403

Sweetspot

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



17.3624, 11.8782, 3.7606



49.0179, 47.0006, 42.1273



20.5617, 11.3871, 26.0672



10.7196, 10.1474, 8.8394



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.



17.3624, 11.8782, 3.7606



29.0548, 17.6275, 2.9395



22.6422, 22.4378, 5.5205



7.1804, 7.2992, 7.4105



12.1621, 6.8981, 0.6905



0.2844, 0.2027, 0.0241

Inverse Universe

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



16.7923, 21.6081, 37.4681



27.7821, 35.9295, 67.5269



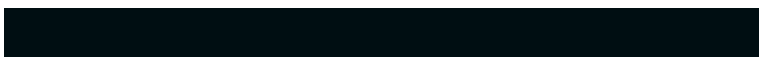
10.5301, 9.0837, 35.3807



7.1583, 7.7755, 9.0266



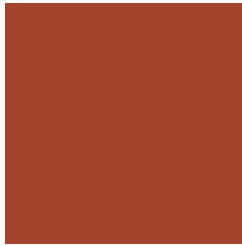
11.5007, 14.7809, 29.1766



0.2700, 0.3673, 0.6225

Previews

White Background



This preview shows how the XYZ color 17.3621, 11.8775, 3.7604 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 17.3621, 11.8775, 3.7604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

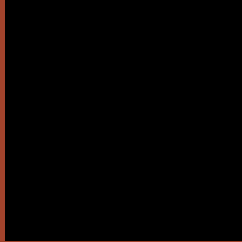
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.3621, 11.8775, 3.7604

Background



This preview shows how black text looks on a background with the XYZ color 17.3621, 11.8775, 3.7604.



This preview shows how white text looks on a background with the XYZ color 17.3621, 11.8775,

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

17.3621, 11.8775, 3.7604

Protanopia

11.0969, 12.1275, 5.2460

Deuteranopia

12.1494, 12.0336, 3.5161



Tritanopia

17.9810, 11.8707, 6.8124

Trichromacy



Original Color

17.3621, 11.8775, 3.7604

Protanomaly

12.7363, 11.5587, 4.5774

Deuteranomaly

13.7067, 11.7281, 3.5488

Tritanomaly

17.7840, 11.8829, 5.4940

Monochromacy



Original Color

17.3621, 11.8775, 3.7604

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.9115, 10.7002, 8.0941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3621, 11.8775, 3.7604 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, 67, 44)` looks like.

```
.text, #text, p{  
    color:rgb(162, 67, 44)  
}
```

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, 67, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 67, 44) }
```

Border

The CSS property to change the border of an element to XYZ 17.3621, 11.8775, 3.7604 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, 67, 44) }
```


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

```
.border{ border-color:rgb(162, 67, 44) }
```

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

Here you see how a box with a 4 pixel rgb(162, 67, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 67, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 67, 44);  
box-shadow:4px 4px 4px 4px rgb(162, 67,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3621, 11.8775, 3.7604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 67, 44) }
```

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

```
.background{ background-color: rgb(162, 67,  
44) }
```

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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