

Converting Colors

XYZ(17.8794, 11.5740, 7.0744)

Have a look what the booklet for
XYZ(17.8794, 11.5740, 7.0744)
contains.

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Color

**XYZ(17.8785, 11.5662,
7.0846)**

Conversions

Conversions Part 1

Format	Color
Hex	A33D46
RGB	163, 61, 70
RGB Percent	64%, 24%, 27%
CMY	0.3608, 0.7608, 0.7255
CMYK	0.00, 0.63, 0.57, 0.36
HSL	355°, 46%, 44%
HSV	355°, 63%, 64%
XYZ	17.8785, 11.5662, 7.0846
YIQ	92.5240, 57.9030, 24.4230

Conversions

Conversions Part 2

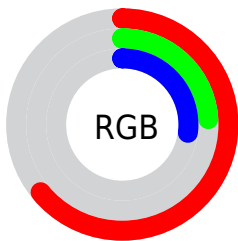
Format	Color
RYB	163, 61, 70
Decimal	10698054
CIELab	40.52, 42.87, 17.00
CIELCh	41, 46.120, 21.634
Yxy	11.5662, 0.4894, 0.3166
Android (android.graphics.Color)	4288888134 (0xFFA33D46)
YUV	92.5240, -11.1043, 61.8075
Hunter-Lab	34.0091, 34.3210, 11.4554

Details

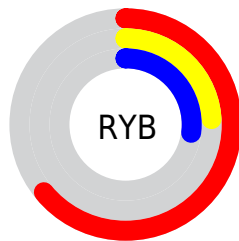
The XYZ color **17.8785, 11.5662, 7.0846** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.8551, 29.5198, 35.1727**, and the grayscale version is **10.3098, 10.8467, 11.8120**.

A 20% lighter version of the original color is **39.2993, 28.6479, 20.5978**, and **6.1417, 3.1433, 1.3199** is the 20% darker color. If you saturate the color by 10%, you get **16.7243, 9.9181, 4.6648**, and if you desaturate by 10%, it is **19.4138, 13.7909, 10.2046**.

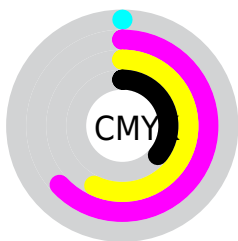
Distribution



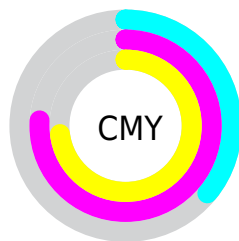
- Red (64%)
- Green (24%)
- Blue (27%)



- Red (64%)
- Yellow (24%)
- Blue (27%)



- Cyan (0%)
- Magenta (63%)
- Yellow (57%)
- Black (36%)





- Cyan (36%)
- Magenta (76%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8785, 11.5662, 7.0846 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 17.8785, 11.5662, 7.0846 by changing the saturation by 10% instead.


 17.8785, 11.5662,
7.0846


 17.8785, 11.5662,
7.0846


233.2442,
201.5119, 178.0223


 10.9620, 6.4490,
3.4358


 39.3619, 28.7025,
20.6590


 6.1084, 3.1200,
1.3212


 54.6594, 41.4905,
31.4216


 2.9524, 1.1947,
0.0791

 73.4814, 57.6041,
45.3927

 1.1286, 0.0574,
0.0000

 96.1930, 77.4279,
62.9906

 0.0489, 0.0000,
0.0000

 123.1598,
101.3461, 84.6340

 0.0000, 0.0000,
0.0000

154.7470,

129.7433, 110.7414

191.3200,
163.0037, 141.7313

■ 17.8785, 11.5662,
7.0846

■ 17.8785, 11.5662,
7.0846

■ 16.7243, 9.9181,
4.6648

■ 19.4138, 13.7909,
10.2046

■ 15.9169, 8.7915,
2.8902

■ 21.3590, 16.6368,
14.0726

■ 15.4169, 8.1240,
1.6988

■ 23.7409, 20.1464,
18.7331

■ 15.1860, 7.8192,
1.1378

■ 26.5839, 24.3579,
24.2267

■ 29.9107, 29.3066,
30.5915

■ 33.7423, 35.0254,
37.8631

■ 38.0985, 41.5451,
46.0749

■ 42.9982, 48.8952,
55.2591

■ 48.4591, 57.1032,
65.4459

Harmonies

Analogous

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



18.3998, 11.5662, 15.3786



17.8785, 11.5662, 7.0846



15.3419, 11.5662, 3.1327

Triad

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



17.8785, 11.5662, 7.0846



6.7886, 11.5662, 4.4360



10.1097, 11.5662, 39.8619

Complementary

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



17.8785, 11.5662, 7.0846



20.8551, 29.5198, 35.1727

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.



7.5555, 11.5662, 32.4601



17.8785, 11.5662, 7.0846



5.9009, 11.5662, 10.1670

Square

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



17.8785, 11.5662, 7.0846



8.8484, 11.5662, 2.2122



6.1509, 11.5662, 20.4033



13.4596, 11.5662, 37.6008

Rectangle

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



17.8785, 11.5662, 7.0846



13.0803, 11.5662, 2.1046



6.1509, 11.5662, 20.4033



9.1410, 11.5662, 38.3286

Sweetspot

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



17.8788, 11.5668, 7.0848



49.4323, 46.3306, 46.8860



21.3791, 12.7354, 35.9816



10.7535, 9.8874, 9.8611



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.



17.8788, 11.5668, 7.0848



29.3302, 16.8875, 7.0100



20.6788, 17.5877, 6.7206



7.0980, 7.0956, 7.5023



11.8103, 6.0802, 0.9258



0.2553, 0.1306, 0.0570

Inverse Universe

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



17.8788, 11.5668, 7.0848



29.3302, 16.8875, 7.0100



15.5201, 17.6054, 37.2304



7.0980, 7.0956, 7.5023



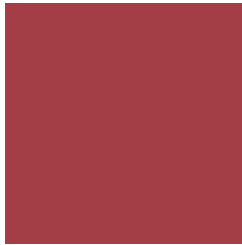
11.8103, 6.0802, 0.9258



0.2553, 0.1306, 0.0570

Previews

White Background



This preview shows how the XYZ color 17.8785, 11.5662, 7.0846 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 17.8785, 11.5662, 7.0846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

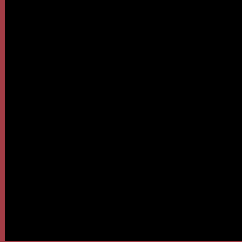
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8785, 11.5662, 7.0846

Background



This preview shows how black text looks on a background with the XYZ color 17.8785, 11.5662, 7.0846.



This preview shows how white text looks on a background with the XYZ color 17.8785, 11.5662,

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

17.8785, 11.5662, 7.0846

Protanopia

11.1181, 11.7470, 10.4855

Deuteranopia

11.8515, 11.6808, 6.6310



Tritanopia

17.8103, 11.6251, 6.4594

Trichromacy



Original Color

17.8785, 11.5662, 7.0846

Protanomaly

12.7096, 10.9767, 9.0383

Deuteranomaly

13.4713, 11.1956, 6.7612

Tritanomaly

17.8400, 11.6370, 6.6161

Monochromacy



Original Color

17.8785, 11.5662, 7.0846

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.0533, 10.3923, 9.9650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8785, 11.5662, 7.0846 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, 61, 70)` looks like.

```
.text, #text, p{  
    color:rgb(163, 61, 70)  
}
```

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, 61, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 61, 70) }
```

Border

The CSS property to change the border of an element to XYZ 17.8785, 11.5662, 7.0846 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, 61, 70) }
```


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

```
.border{ border-color:rgb(163, 61, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 61, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 61, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 61, 70);  
box-shadow:4px 4px 4px 4px rgb(163, 61,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8785, 11.5662, 7.0846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 61, 70) }
```

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

```
.background{ background-color: rgb(163, 61,  
70) }
```

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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