

Converting Colors

XYZ(22.7738, 15.7760, 6.3969)

Have a look what the booklet for
XYZ(22.7738, 15.7760, 6.3969)
contains.

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Color

**XYZ(22.7215, 15.7635,
6.4025)**

Conversions

Conversions Part 1

Format	Color
Hex	B54F3E
RGB	181, 79, 62
RGB Percent	71%, 31%, 24%
CMY	0.2902, 0.6902, 0.7569
CMYK	0.00, 0.56, 0.66, 0.29
HSL	9°, 49%, 48%
HSV	9°, 66%, 71%
XYZ	22.7215, 15.7635, 6.4025
YIQ	107.5600, 66.2490, 16.3370

Conversions

Conversions Part 2

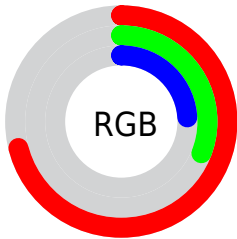
Format	Color
R_{YB}	181, 82, 62
Decimal	11882302
CIE _{Lab}	46.66, 40.22, 30.27
CIE _{LCh}	47, 50.334, 36.964
Yxy	15.7635, 0.5062, 0.3512
Android (android.graphics.Color)	4290072382 (0xFFB54F3E)
YUV	107.5600, -22.4611, 64.4069
Hunter-Lab	39.7033, 32.6717, 18.2313

Details

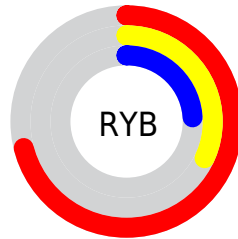
The XYZ color **22.7215, 15.7635, 6.4025** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.6014, 30.9090, 48.4378**, and the grayscale version is **14.1791, 14.9175, 16.2452**.

A 20% lighter version of the original color is **47.5487, 36.2356, 19.2399**, and **8.5355, 4.9685, 1.1252** is the 20% darker color. If you saturate the color by 10%, you get **21.3136, 13.6147, 3.8776**, and if you desaturate by 10%, it is **24.5567, 18.5025, 9.8860**.

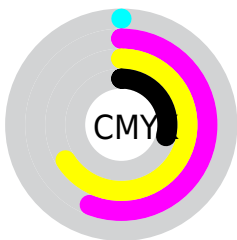
Distribution



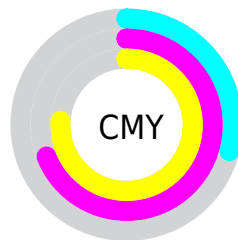
- Red (71%)
- Green (31%)
- Blue (24%)



- Red (71%)
- Yellow (32%)
- Blue (24%)



- Cyan (0%)
- Magenta (56%)
- Yellow (66%)
- Black (29%)





- Cyan (29%)
- Magenta (69%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7215, 15.7635, 6.4025 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 22.7215, 15.7635, 6.4025 by changing the saturation by 10% instead.


 22.7215, 15.7635,
6.4025


 22.7215, 15.7635,
6.4025


258.8535,
227.9421, 172.0403


 14.5076, 9.3570,
3.0186


 47.4057, 36.1871,
19.2527


 8.5586, 4.9747,
1.1041


 64.6066, 50.9730,
29.5560

 4.5092, 2.2324,
0.0000

 85.5339, 69.3208,
43.0030

 1.9940, 0.7376,
0.0000

 110.5529, 91.6149,
60.0121

 0.6306, 0.0000,
0.0000

 140.0290,
118.2397, 81.0018

 0.0000, 0.0000,
0.0000

 174.3276,

149.5795, 106.3907

213.8139,
186.0189, 136.5974

■ 22.7215, 15.7635,
6.4025

■ 22.7215, 15.7635,
6.4025

■ 21.3136, 13.6147,
3.8776

■ 24.5567, 18.5025,
9.8860

■ 20.2963, 12.0096,
2.2140

■ 26.8495, 21.8683,
14.4109

■ 19.6273, 10.8989,
1.2904

■ 29.6288, 25.8976,
20.0519

■ 19.4223, 10.5565,
1.0139

■ 32.9207, 30.6235,
26.8768

■ 36.7493, 36.0768,
34.9477

■ 41.1375, 42.2867,
44.3226

■ 46.1065, 49.2804,
55.0557

■ 51.6766, 57.0842,
67.1982

■ 57.8670, 65.7228,
80.7986

Harmonies

Analogous

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



24.9301, 15.7635, 14.4164



22.7215, 15.7635, 6.4025



18.5053, 15.7635, 3.1998

Triad

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



22.7215, 15.7635, 6.4025



8.5207, 15.7635, 9.3840



16.0215, 15.7635, 53.6852

Complementary

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



22.7215, 15.7635, 6.4025



23.6014, 30.9090, 48.4378

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.



11.9382, 15.7635, 50.0574



22.7215, 15.7635, 6.4025



8.1114, 15.7635, 20.2398

Square

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



22.7215, 15.7635, 6.4025



10.4893, 15.7635, 4.2460



9.2371, 15.7635, 36.0072



20.6050, 15.7635, 44.3518

Rectangle

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



22.7215, 15.7635, 6.4025



15.4307, 15.7635, 2.6249



9.2371, 15.7635, 36.0072



14.5435, 15.7635, 53.9923

Sweetspot

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



22.7219, 15.7644, 6.4028



62.5493, 59.9665, 55.6743



27.5822, 15.9905, 37.2935



13.1153, 12.3853, 11.1832



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.7219, 15.7644, 6.4028



37.2564, 22.9529, 5.4020



28.9233, 28.1672, 8.4699



8.5911, 8.6947, 8.8780



13.4212, 7.3410, 0.7096



0.4529, 0.2922, 0.0325

Inverse Universe

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



23.6014, 30.9090, 48.4378



38.8010, 51.8023, 86.2484



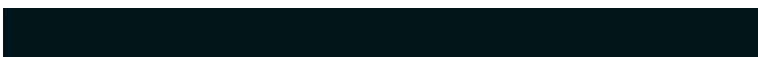
15.4434, 14.5930, 45.7185



8.6371, 9.4204, 10.8694



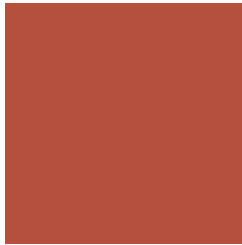
13.8843, 18.5689, 32.9894



0.4651, 0.6407, 1.0474

Previews

White Background



This preview shows how the XYZ color 22.7215, 15.7635, 6.4025 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 22.7215, 15.7635, 6.4025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

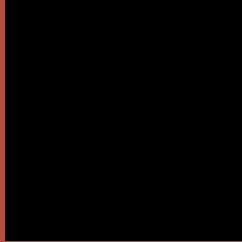
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.7215, 15.7635, 6.4025

Background



This preview shows how black text looks on a background with the XYZ color 22.7215, 15.7635, 6.4025.



This preview shows how white text looks on a background with the XYZ color 22.7215, 15.7635,

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

22.7215, 15.7635, 6.4025

Protanopia

14.8056, 15.9282, 8.7727

Deuteranopia

16.2091, 15.9218, 6.0898



Tritanopia

23.3610, 15.7080, 9.5853

Trichromacy



Original Color

22.7215, 15.7635, 6.4025

Protanomaly

16.8950, 15.2055, 7.8388

Deuteranomaly

18.1092, 15.4538, 6.1661

Tritanomaly

23.1813, 15.7473, 8.2963

Monochromacy



Original Color

22.7215, 15.7635, 6.4025

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.1547, 14.4556, 11.8363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7215, 15.7635, 6.4025 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(181, 79, 62)` looks like.

```
.text, #text, p{  
    color:rgb(181, 79, 62)  
}
```

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(181, 79, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 79, 62) }
```

Border

The CSS property to change the border of an element to XYZ 22.7215, 15.7635, 6.4025 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(181, 79, 62) }
```


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

```
.border{ border-color:rgb(181, 79, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 79, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 79, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 79, 62);  
box-shadow:4px 4px 4px 4px rgb(181, 79,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7215, 15.7635, 6.4025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 79, 62) }
```

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

```
.background{ background-color: rgb(181, 79,  
62) }
```

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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