

Converting Colors

XYZ(22.1031, 15.1941, 7.1407)

Have a look what the booklet for
XYZ(22.1031, 15.1941, 7.1407)
contains.

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Color

**XYZ(22.0271, 15.1780,
7.0789)**

Conversions

Conversions Part 1

Format	Color
Hex	B24D43
RGB	178, 77, 67
RGB Percent	70%, 30%, 26%
CMY	0.3020, 0.6980, 0.7373
CMYK	0.00, 0.57, 0.62, 0.30
HSL	5°, 45%, 48%
HSV	5°, 62%, 70%
XYZ	22.0271, 15.1780, 7.0789
YIQ	106.0590, 63.4060, 18.3020

Conversions

Conversions Part 2

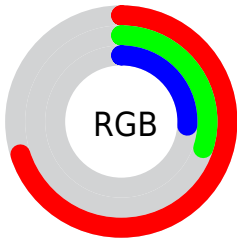
Format	Color
RYB	178, 78, 67
Decimal	11685187
CIELab	45.88, 40.41, 26.26
CIELCh	46, 48.195, 33.022
Yxy	15.1780, 0.4974, 0.3427
Android (android.graphics.Color)	4289875267 (0xFFB24D43)
YUV	106.0590, -19.2561, 63.0923
Hunter-Lab	38.9590, 32.7444, 16.4982

Details

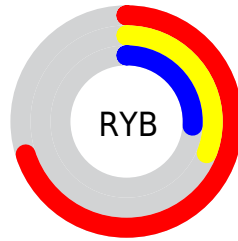
The XYZ color **22.0271, 15.1780, 7.0789** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **24.3522, 32.4107, 47.0916**, and the grayscale version is **13.7553, 14.4716, 15.7596**.

A 20% lighter version of the original color is **46.2047, 35.1155, 20.5624**, and **8.2372, 4.7123, 1.3396** is the 20% darker color. If you saturate the color by 10%, you get **20.5773, 13.0057, 4.3538**, and if you desaturate by 10%, it is **23.9239, 17.9818, 10.7628**.

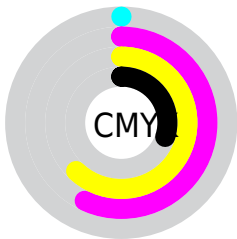
Distribution



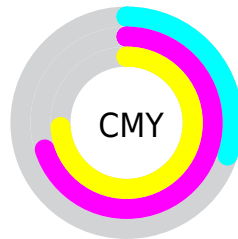
- Red (70%)
- Green (30%)
- Blue (26%)



- Red (70%)
- Yellow (31%)
- Blue (26%)



- Cyan (0%)
- Magenta (57%)
- Yellow (62%)
- Black (30%)





- Cyan (30%)
- Magenta (70%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.0271, 15.1780, 7.0789 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 22.0271, 15.1780, 7.0789 by changing the saturation by 10% instead.


 22.0271, 15.1780,
7.0789


 22.0271, 15.1780,
7.0789

255.3175,
224.4411, 177.9734


 13.9935, 8.9444,
3.4323


 46.2693, 35.1651,
20.6473


 8.1978, 4.7049,
1.3194


 63.2086, 49.6875,
31.4062

 4.2747, 2.0752,
0.0776

 83.8473, 67.7415,
45.3730

 1.8587, 0.6506,
0.0000

 108.5506, 89.7117,
62.9661

 0.5526, 0.0000,
0.0000

 137.6839,
115.9823, 84.6042

 0.0000, 0.0000,
0.0000

171.6126,

146.9378, 110.7058

210.7020,
182.9626, 141.6893

■ 22.0271, 15.1780,
7.0789

■ 22.0271, 15.1780,
7.0789

■ 20.5773, 13.0057,
4.3538

■ 23.9239, 17.9818,
10.7628

■ 19.5364, 11.4135,
2.4976

■ 26.2993, 21.4584,
15.4829

■ 18.8619, 10.3461,
1.4043

■ 29.1834, 25.6485,
21.3096

■ 18.5459, 9.8368,
0.9212

■ 32.6035, 30.5888,
28.3068

■ 36.5849, 36.3134,
36.5337

■ 41.1512, 42.8545,
46.0454

■ 46.3249, 50.2424,
56.8936

■ 52.1271, 58.5058,
69.1273

■ 58.5779, 67.6721,
82.7928

Harmonies

Analogous

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



23.7299, 15.1780, 15.3734



22.0271, 15.1780, 7.0789



18.2728, 15.1780, 3.5236

Triad

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



22.0271, 15.1780, 7.0789



8.5189, 15.1780, 8.3057



14.8425, 15.1780, 50.4997

Complementary

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



22.0271, 15.1780, 7.0789



24.3522, 32.4107, 47.0916

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.



11.1613, 15.1780, 45.6005



22.0271, 15.1780, 7.0789



7.9411, 15.1780, 17.7353

Square

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



22.0271, 15.1780, 7.0789



10.5703, 15.1780, 3.9620



8.8123, 15.1780, 31.9834



19.1216, 15.1780, 43.3169

Rectangle

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



22.0271, 15.1780, 7.0789



15.3974, 15.1780, 2.7735



8.8123, 15.1780, 31.9834



13.4968, 15.1780, 50.2164

Sweetspot

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



22.0275, 15.1788, 7.0792



61.2031, 58.4639, 55.6135



27.5051, 16.3345, 39.1162



13.1284, 12.3318, 11.4330



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.



22.0275, 15.1788, 7.0792



36.4878, 22.3274, 6.3912



27.5905, 26.3050, 8.9335



8.5559, 8.6244, 8.8663



13.2911, 7.0808, 0.6662



0.4383, 0.2630, 0.0277

Inverse Universe

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



24.3522, 32.4107, 47.0916



40.9670, 56.0264, 85.0362



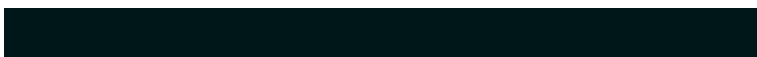
16.2837, 16.2738, 44.4022



8.6759, 9.4979, 10.8823



15.0126, 20.8256, 33.3655



0.4913, 0.6932, 1.0561

Previews

White Background



This preview shows how the XYZ color 22.0271, 15.1780, 7.0789 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 22.0271, 15.1780, 7.0789 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 22.0271, 15.1780, 7.0789

Background



This preview shows how black text looks on a background with the XYZ color 22.0271, 15.1780, 7.0789.



This preview shows how white text looks on a background with the XYZ color 22.0271, 15.1780,

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

22.0271, 15.1780, 7.0789

Protanopia

14.2527, 15.2984, 9.7911

Deuteranopia

15.4927, 15.2350, 6.6815



Tritanopia

22.5545, 15.1950, 9.3336

Trichromacy



Original Color

22.0271, 15.1780, 7.0789

Protanomaly

16.1922, 14.5464, 8.6109

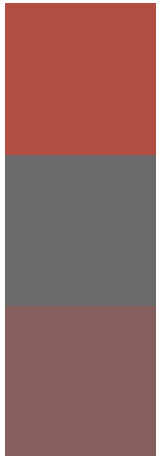
Deuteranomaly

17.3225, 14.7651, 6.7874

Tritanomaly

22.4448, 15.2606, 8.4192

Monochromacy



Original Color

22.0271, 15.1780, 7.0789

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.5397, 13.8627, 11.9819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0271, 15.1780, 7.0789 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(178, 77, 67)` looks like.

```
.text, #text, p{  
    color:rgb(178, 77, 67)  
}
```

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(178, 77, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 77, 67) }
```

Border

The CSS property to change the border of an element to XYZ 22.0271, 15.1780, 7.0789 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(178, 77, 67) }
```


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

```
.border{ border-color:rgb(178, 77, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 77, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 77, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 77, 67);  
box-shadow:4px 4px 4px 4px rgb(178, 77,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0271, 15.1780, 7.0789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 77, 67) }
```

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

```
.background{ background-color: rgb(178, 77,  
67) }
```

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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