

Converting Colors

XYZ(21.6927, 15.7715, 6.3868)

Have a look what the booklet for
XYZ(21.6927, 15.7715, 6.3868)
contains.

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Color

**XYZ(21.7190, 15.8024,
6.4629)**

Conversions

Conversions Part 1

Format	Color
Hex	AF543E
RGB	175, 84, 62
RGB Percent	69%, 33%, 24%
CMY	0.3137, 0.6706, 0.7569
CMYK	0.00, 0.52, 0.65, 0.31
HSL	12°, 48%, 46%
HSV	12°, 65%, 69%
XYZ	21.7190, 15.8024, 6.4629
YIQ	108.7010, 61.2980, 12.4500

Conversions

Conversions Part 2

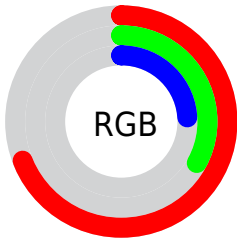
Format	Color
RYB	175, 89, 62
Decimal	11490366
CIELab	46.71, 35.36, 30.11
CIElCh	47, 46.446, 40.415
Yxy	15.8024, 0.4938, 0.3593
Android (android.graphics.Color)	4289680446 (0xFFAF543E)
YUV	108.7010, -23.0236, 58.1442
Hunter-Lab	39.7522, 27.9587, 18.1872

Details

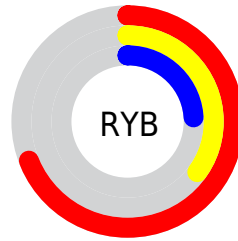
The XYZ color **21.7190, 15.8024, 6.4629** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **21.1148, 26.9000, 44.6365**, and the grayscale version is **14.5026, 15.2578, 16.6158**.

A 20% lighter version of the original color is **45.8796, 36.3963, 19.3589**, and **8.0173, 4.9696, 1.1089** is the 20% darker color. If you saturate the color by 10%, you get **20.3279, 13.6691, 3.9996**, and if you desaturate by 10%, it is **23.4855, 18.4394, 9.8145**.

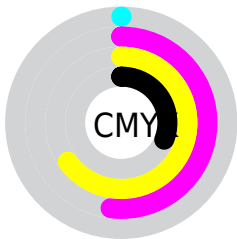
Distribution



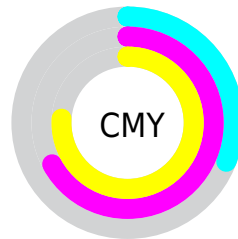
- Red (69%)
- Green (33%)
- Blue (24%)



- Red (69%)
- Yellow (35%)
- Blue (24%)



- Cyan (0%)
- Magenta (52%)
- Yellow (65%)
- Black (31%)





- Cyan (31%)
- Magenta (67%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7190, 15.8024, 6.4629 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 21.7190, 15.8024, 6.4629 by changing the saturation by 10% instead.


 21.7190, 15.8024,
6.4629

 21.7190, 15.8024,
6.4629


253.7353,
228.1729, 172.5810


 13.7660, 9.3844,
3.0552


 45.7634, 36.2548,
19.3784


 8.0387, 4.9928,
1.1229


 62.5856, 51.0581,
29.7233

 4.1717, 2.2430,
0.0000

 83.0949, 69.4252,
43.2177

 1.7998, 0.7433,
0.0000

 107.6566, 91.7406,
60.2801

 0.5175, 0.0000,
0.0000

 136.6362,
118.3887, 81.3291

 0.0000, 0.0000,
0.0000

 170.3989,

149.7538, 106.7833

209.3102,
186.2204, 137.0611

■ 21.7190, 15.8024,
6.4629

■ 21.7190, 15.8024,
6.4629

■ 20.3279, 13.6691,
3.9996

■ 23.4855, 18.4394,
9.8145

■ 19.2825, 12.0041,
2.3377

■ 25.6519, 21.6073,
14.1281

■ 18.5495, 10.7715,
1.3743

■ 28.2419, 25.3342,
19.4710

■ 18.2533, 10.2624,
1.0188

■ 31.2768, 29.6456,
25.9038

■ 34.7767, 34.5653,
33.4827

■ 38.7601, 40.1158,
42.2598

■ 43.2449, 46.3186,
52.2842

■ 48.2476, 53.1939,
63.6020

■ 53.7845, 60.7612,
76.2572

Harmonies

Analogous

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



23.9934, 15.8024, 13.5012



21.7190, 15.8024, 6.4629



17.7673, 15.8024, 3.6300

Triad

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



21.7190, 15.8024, 6.4629



8.8427, 15.8024, 10.7925



16.4631, 15.8024, 49.5236

Complementary

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



21.7190, 15.8024, 6.4629



21.1148, 26.9000, 44.6365

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.



12.5711, 15.8024, 47.6901



21.7190, 15.8024, 6.4629



8.6195, 15.8024, 21.5335

Square

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



21.7190, 15.8024, 6.4629



10.5388, 15.8024, 5.2437



9.8626, 15.8024, 35.9555



20.6188, 15.8024, 40.2106

Rectangle

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



21.7190, 15.8024, 6.4629



14.9638, 15.8024, 3.1943



9.8626, 15.8024, 35.9555



15.0758, 15.8024, 50.2652

Sweetspot

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



21.7194, 15.8033, 6.4632



59.1961, 57.5752, 53.2469



25.2581, 14.9018, 32.2407



12.7718, 12.2547, 11.0026



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.7194, 15.8033, 6.4632



35.6332, 23.2646, 5.8848



27.8126, 27.9897, 8.4943



8.1268, 8.2585, 8.3791



13.1074, 7.4202, 0.7414



0.4007, 0.2786, 0.0327

Inverse Universe

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



21.1148, 26.9000, 44.6365



34.3369, 44.3831, 79.3939



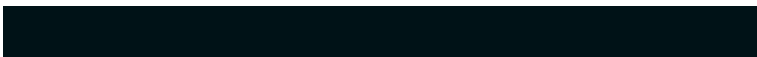
14.0720, 12.8143, 42.2889



8.1018, 8.8030, 10.2248



12.3972, 15.9283, 31.4656



0.3783, 0.5100, 0.8865

Previews

White Background



This preview shows how the XYZ color 21.7190, 15.8024, 6.4629 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 21.7190, 15.8024, 6.4629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

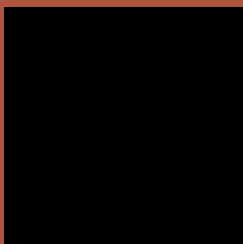
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7190, 15.8024, 6.4629

Background



This preview shows how black text looks on a background with the XYZ color 21.7190, 15.8024, 6.4629.



This preview shows how white text looks on a background with the XYZ color 21.7190, 15.8024,

6.4629.

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

21.7190, 15.8024, 6.4629

Protanopia

14.7393, 15.9017, 8.4234

Deuteranopia

16.2343, 15.9319, 6.2225



Tritanopia

22.5266, 15.7869, 10.6640

Trichromacy



Original Color

21.7190, 15.8024, 6.4629

Protanomaly

16.6816, 15.3874, 7.5597

Deuteranomaly

17.9196, 15.6304, 6.2102

Tritanomaly

22.2613, 15.8005, 8.8977

Monochromacy



Original Color

21.7190, 15.8024, 6.4629

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.1618, 14.8736, 12.1443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7190, 15.8024, 6.4629 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(175, 84, 62)` looks like.

```
.text, #text, p{  
    color:rgb(175, 84, 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(175, 84, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 84, 62) }
```

Border

The CSS property to change the border of an element to XYZ 21.7190, 15.8024, 6.4629 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(175, 84, 62) }
```


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

```
.border{ border-color:rgb(175, 84, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 84, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 84, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 84, 62);  
box-shadow:4px 4px 4px 4px rgb(175, 84,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7190, 15.8024, 6.4629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 84, 62) }
```

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

```
.background{ background-color: rgb(175, 84,  
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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