

Converting Colors

XYZ(21.7236, 14.8288, 6.2229)

Have a look what the booklet for
XYZ(21.7236, 14.8288, 6.2229)
contains.

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Color

**XYZ(21.7457, 14.8449,
6.2767)**

Conversions

Conversions Part 1

Format	Color
Hex	B24B3E
RGB	178, 75, 62
RGB Percent	70%, 29%, 24%
CMY	0.3020, 0.7059, 0.7569
CMYK	0.00, 0.58, 0.65, 0.30
HSL	7°, 48%, 47%
HSV	7°, 65%, 70%
XYZ	21.7457, 14.8449, 6.2767
YIQ	104.3150, 65.5610, 17.7930

Conversions

Conversions Part 2

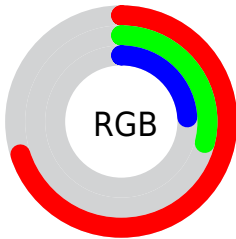
Format	Color
RYB	178, 77, 62
Decimal	11684670
CIELab	45.42, 41.06, 28.64
CIElCh	45, 50.062, 34.894
Yxy	14.8449, 0.5073, 0.3463
Android (android.graphics.Color)	4289874750 (0xFFB24B3E)
YUV	104.3150, -20.8613, 64.6217
Hunter-Lab	38.5291, 33.3190, 17.3115

Details

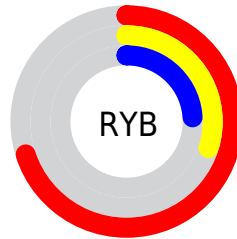
The XYZ color **21.7457, 14.8449, 6.2767** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.4767, 31.1469, 46.8939**, and the grayscale version is **13.2850, 13.9768, 15.2208**.

A 20% lighter version of the original color is **45.6637, 34.4817, 19.0007**, and **8.0122, 4.5428, 1.0706** is the 20% darker color. If you saturate the color by 10%, you get **20.3928, 12.7970, 3.7980**, and if you desaturate by 10%, it is **23.5256, 17.4910, 9.6871**.

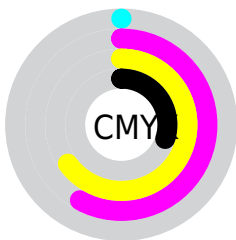
Distribution



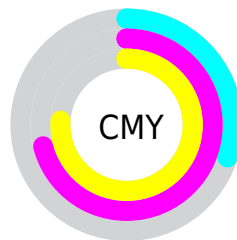
- Red (70%)
- Green (29%)
- Blue (24%)



- Red (70%)
- Yellow (30%)
- Blue (24%)



- Cyan (0%)
- Magenta (58%)
- Yellow (65%)
- Black (30%)



- Cyan (30%)
- Magenta (71%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7457, 14.8449, 6.2767 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 21.7457, 14.8449, 6.2767 by changing the saturation by 10% instead.

■ 21.7457, 14.8449,
6.2767

■ 21.7457, 14.8449,
6.2767

253.8728,
222.4255, 170.9068

■ 13.7857, 8.7106,
2.9426

■ 45.8073, 34.5809,
18.9901

■ 8.0525, 4.5529,
1.0654

■ 62.6397, 48.9513,
29.2064

■ 4.1806, 1.9874,
0.0000

■ 83.1602, 66.8359,
42.5538

■ 1.8048, 0.6001,
0.0000

■ 107.7342, 88.6191,
59.4509

■ 0.5206, 0.0000,
0.0000

■ 136.7272,
114.6853, 80.3162

■ 0.0000, 0.0000,
0.0000

■ 170.5043,

145.4188, 105.5682

209.4311,
181.2041, 135.6256

■ 21.7457, 14.8449,
6.2767

■ 21.7457, 14.8449,
6.2767

■ 20.3928, 12.7970,
3.7980

■ 23.5256, 17.4910,
9.6871

■ 19.4294, 11.2981,
2.1577

■ 25.7635, 20.7745,
14.1087

■ 18.8128, 10.2951,
1.2426

■ 28.4888, 24.7342,
19.6136

■ 18.6094, 9.9637,
0.9424

■ 31.7282, 29.4051,
26.2667

■ 35.5062, 34.8197,
34.1281

■ 39.8461, 41.0086,
43.2536

■ 44.7694, 48.0006,
53.6955

■ 50.2969, 55.8230,
65.5032

■ 56.4479, 64.5019,
78.7235

Harmonies

Analogous

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



23.6816, 14.8449, 14.2858



21.7457, 14.8449, 6.2767



17.7856, 14.8449, 3.0238

Triad

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



21.7457, 14.8449, 6.2767



8.0319, 14.8449, 8.2577



14.8035, 14.8449, 51.4505

Complementary

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



21.7457, 14.8449, 6.2767



23.4767, 31.1469, 46.8939

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.



10.9787, 14.8449, 47.0751



21.7457, 14.8449, 6.2767



7.5428, 14.8449, 18.1991

Square

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



21.7457, 14.8449, 6.2767



10.0082, 14.8449, 3.7096



8.5101, 14.8449, 33.1431



19.2017, 14.8449, 43.1985

Rectangle

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



21.7457, 14.8449, 6.2767



14.8341, 14.8449, 2.3946



8.5101, 14.8449, 33.1431



13.4092, 14.8449, 51.4345

Sweetspot

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



21.7460, 14.8457, 6.2770



60.7162, 57.8873, 54.2272



27.0024, 15.6782, 37.8720



13.0394, 12.2336, 11.1579



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.



21.7460, 14.8457, 6.2770



36.1687, 21.9539, 5.4691



27.4267, 26.2071, 8.1705



8.5706, 8.6536, 8.8711



13.3397, 7.1780, 0.6824



0.4444, 0.2751, 0.0297

Inverse Universe

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



23.4767, 31.1469, 46.8939



39.4234, 53.5001, 84.6299



15.4274, 15.0483, 44.2108



8.6597, 9.4656, 10.8770



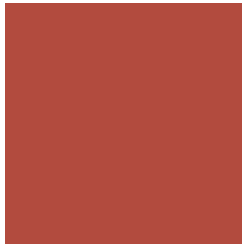
14.5324, 19.8651, 33.2054



0.4802, 0.6710, 1.0524

Previews

White Background



This preview shows how the XYZ color 21.7457, 14.8449, 6.2767 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 21.7457, 14.8449, 6.2767 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 21.7457, 14.8449, 6.2767

Background



This preview shows how black text looks on a background with the XYZ color 21.7457, 14.8449, 6.2767.



This preview shows how white text looks on a background with the XYZ color 21.7457, 14.8449,

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

21.7457, 14.8449, 6.2767

Protanopia

13.9687, 15.0150, 8.8186

Deuteranopia

15.2616, 14.9824, 5.9584



Tritanopia

22.3481, 14.8989, 8.9056

Trichromacy



Original Color

21.7457, 14.8449, 6.2767

Protanomaly

15.9358, 14.2969, 7.7140

Deuteranomaly

17.0982, 14.5340, 6.0418

Tritanomaly

22.2089, 14.9491, 7.8458

Monochromacy



Original Color

21.7457, 14.8449, 6.2767

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.0776, 13.3753, 11.2382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7457, 14.8449, 6.2767 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, 75, 62)` looks like.

```
.text, #text, p{  
    color:rgb(178, 75, 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(178, 75, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 75, 62) }
```

Border

The CSS property to change the border of an element to XYZ 21.7457, 14.8449, 6.2767 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, 75, 62) }
```


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

```
.border{ border-color:rgb(178, 75, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 75, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 75, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 75, 62);  
box-shadow:4px 4px 4px 4px rgb(178, 75,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7457, 14.8449, 6.2767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 75, 62) }
```

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

```
.background{ background-color: rgb(178, 75,  
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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