

Converting Colors

XYZ(21.7520, 13.5198, 3.7233)

Have a look what the booklet for
XYZ(21.7520, 13.5198, 3.7233)
contains.

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Color

**XYZ(21.7672, 13.4927,
3.7426)**

Conversions

Conversions Part 1

Format	Color
Hex	B83B2B
RGB	184, 59, 43
RGB Percent	72%, 23%, 17%
CMY	0.2784, 0.7686, 0.8314
CMYK	0.00, 0.68, 0.77, 0.28
HSL	7°, 62%, 45%
HSV	7°, 77%, 72%
XYZ	21.7672, 13.4927, 3.7426
YIQ	94.5510, 79.6360, 21.5240

Conversions

Conversions Part 2

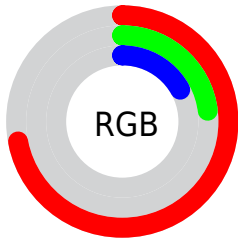
Format	Color
RYB	184, 61, 43
Decimal	12073771
CIELab	43.50, 49.46, 37.55
CIElCh	43, 62.099, 37.208
Yxy	13.4927, 0.5581, 0.3459
Android (android.graphics.Color)	4290263851 (0xFFB83B2B)
YUV	94.5510, -25.4146, 78.4468
Hunter-Lab	36.7324, 41.4953, 19.6717

Details

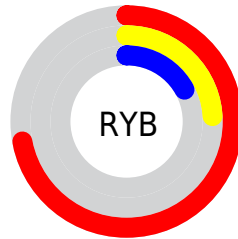
The XYZ color **21.7672, 13.4927, 3.7426** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **23.6492, 31.9767, 50.2728**, and the grayscale version is **10.8161, 11.3794, 12.3921**.

A 20% lighter version of the original color is **45.7566, 32.1413, 13.4651**, and **8.1684, 4.2110, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **20.7912, 11.9646, 2.1109**, and if you desaturate by 10%, it is **23.1580, 15.6071, 6.2636**.

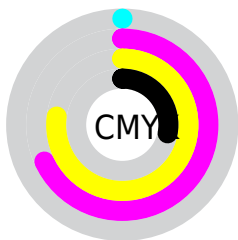
Distribution



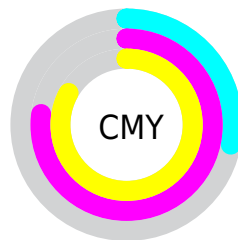
- Red (72%)
- Green (23%)
- Blue (17%)



- Red (72%)
- Yellow (24%)
- Blue (17%)



- Cyan (0%)
- Magenta (68%)
- Yellow (77%)
- Black (28%)



- Cyan (28%)
- Magenta (77%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7672, 13.4927, 3.7426 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 21.7672, 13.4927, 3.7426 by changing the saturation by 10% instead.

■ 21.7672, 13.4927,
3.7426

■ 21.7672, 13.4927,
3.7426

253.9834,
214.0516, 145.3199

■ 13.8016, 7.7687,
1.4852

■ 45.8427, 32.1861,
13.4116

■ 8.0636, 3.9473,
0.2069

■ 62.6832, 45.9244,
21.6604

■ 4.1878, 1.6441,
0.0000

■ 83.2128, 63.1028,
32.7433

■ 1.8089, 0.3871,
0.0000

■ 107.7967, 84.1058,
47.0790

■ 0.5230, 0.0000,
0.0000

■ 136.8004,
109.3178, 65.0859

■ 0.0000, 0.0000,
0.0000

■ 170.5892,

139.1232, 87.1827

209.5284,
173.9063, 113.7879

■ 21.7672, 13.4927,
3.7426

■ 21.7672, 13.4927,
3.7426

■ 20.7912, 11.9646,
2.1109

■ 23.1580, 15.6071,
6.2636

■ 20.1790, 10.9599,
1.2300

■ 25.0029, 18.3569,
9.7763

■ 20.0332, 10.7226,
1.0138

■ 27.3375, 21.7887,
14.3698

■ 30.1938, 25.9439,
20.1231

■ 33.6009, 30.8608,
27.1077

■ 37.5857, 36.5749,
35.3894

■ 42.1735, 43.1195,
45.0295

■ 47.3878, 50.5259,
56.0850

■ 53.2513, 58.8240,
68.6101

Harmonies

Analogous

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



24.4652, 13.4927, 11.5913



21.7672, 13.4927, 3.7426



16.7825, 13.4927, 1.2677

Triad

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



21.7672, 13.4927, 3.7426



6.0103, 13.4927, 6.5899



14.0292, 13.4927, 60.2414

Complementary

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



21.7672, 13.4927, 3.7426



23.6492, 31.9767, 50.2728

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.



9.5434, 13.4927, 55.5707



21.7672, 13.4927, 3.7426



5.6244, 13.4927, 18.2998

Square

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



21.7672, 13.4927, 3.7426



7.9754, 13.4927, 2.0403



6.7435, 13.4927, 37.4526



19.3232, 13.4927, 47.8332

Rectangle

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



21.7672, 13.4927, 3.7426



13.2835, 13.4927, 0.9067



6.7435, 13.4927, 37.4526



12.3760, 13.4927, 60.7017

Sweetspot

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



21.7675, 13.4935, 3.7428



63.1382, 59.1440, 53.7489



27.8772, 14.8166, 39.3711



13.0812, 11.9885, 10.4905



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.7675, 13.4935, 3.7428



36.8611, 20.3376, 2.6068



27.8702, 25.6989, 5.7771



9.0845, 9.1720, 9.3985



13.8342, 7.4448, 0.7078



0.5148, 0.3167, 0.0340

Inverse Universe

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



23.6492, 31.9767, 50.2728



40.1707, 54.8437, 90.6733



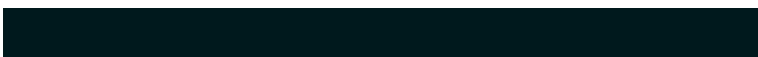
14.1478, 12.9740, 47.1057



9.1773, 10.0318, 11.5321



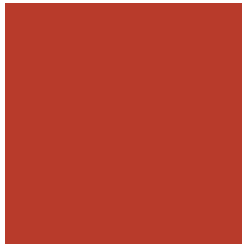
15.0355, 20.5307, 34.4234



0.5550, 0.7736, 1.2218

Previews

White Background



This preview shows how the XYZ color 21.7672, 13.4927, 3.7426 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 21.7672, 13.4927, 3.7426 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 21.7672, 13.4927, 3.7426

Background



This preview shows how black text looks on a background with the XYZ color 21.7672, 13.4927, 3.7426.



This preview shows how white text looks on a background with the XYZ color 21.7672, 13.4927,

3.7426.

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

21.7672, 13.4927, 3.7426

Protanopia

12.6283, 13.7734, 5.8639

Deuteranopia

13.8623, 13.5967, 3.4072



Tritanopia

22.2863, 13.5668, 5.7190

Trichromacy



Original Color

21.7672, 13.4927, 3.7426

Protanomaly

14.7570, 12.7163, 4.9255

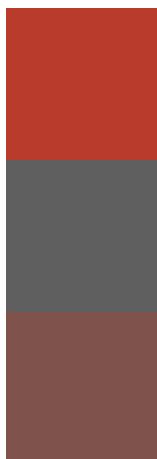
Deuteranomaly

16.0819, 12.9582, 3.4038

Tritanomaly

22.1865, 13.6067, 4.9470

Monochromacy



Original Color

21.7672, 13.4927, 3.7426

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

13.0742, 11.0684, 8.2848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7672, 13.4927, 3.7426 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(184, 59, 43)` looks like.

```
.text, #text, p{  
    color:rgb(184, 59, 43)  
}
```

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(184, 59, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 59, 43) }
```

Border

The CSS property to change the border of an element to XYZ 21.7672, 13.4927, 3.7426 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(184, 59, 43) }
```


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

```
.border{ border-color:rgb(184, 59, 43) }
```

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

Here you see how a box with a 4 pixel rgb(184, 59, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 59, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 59, 43);  
box-shadow:4px 4px 4px 4px rgb(184, 59,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7672, 13.4927, 3.7426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 59, 43) }
```

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

```
.background{ background-color: rgb(184, 59,  
43) }
```

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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