

Converting Colors

XYZ(21.3212, 15.7967, 10.8392)

Have a look what the booklet for
XYZ(21.3212, 15.7967, 10.8392)
contains.

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Color

**XYZ(21.2769, 15.8293,
10.9508)**

Conversions

Conversions Part 1

Format	Color
Hex	A85757
RGB	168, 87, 87
RGB Percent	66%, 34%, 34%
CMY	0.3412, 0.6588, 0.6588
CMYK	0.00, 0.48, 0.48, 0.34
HSL	0°, 32%, 50%
HSV	0°, 48%, 66%
XYZ	21.2769, 15.8293, 10.9508
YIQ	111.2190, 48.2760, 17.1720

Conversions

Conversions Part 2

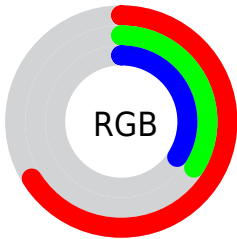
Format	Color
RYB	168, 87, 87
Decimal	11032407
CIELab	46.75, 33.12, 15.18
CIElCh	47, 36.434, 24.623
Yxy	15.8293, 0.4427, 0.3294
Android (android.graphics.Color)	4289222487 (0xFFA85757)
YUV	111.2190, -11.9400, 49.7969
Hunter-Lab	39.7861, 25.8332, 11.5311

Details

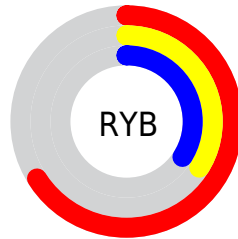
The XYZ color **21.2769, 15.8293, 10.9508** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **25.0002, 32.8570, 42.0700**, and the grayscale version is **15.1972, 15.9887, 17.4117**.

A 20% lighter version of the original color is **45.1120, 36.4401, 28.3229**, and **7.7931, 4.9981, 2.7445** is the 20% darker color. If you saturate the color by 10%, you get **19.4633, 13.1756, 7.3450**, and if you desaturate by 10%, it is **23.5676, 19.1815, 15.5040**.

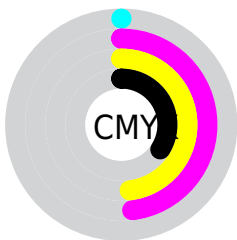
Distribution



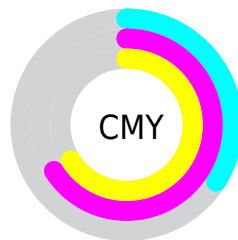
- Red (66%)
- Green (34%)
- Blue (34%)



- Red (66%)
- Yellow (34%)
- Blue (34%)



- Cyan (0%)
- Magenta (48%)
- Yellow (48%)
- Black (34%)





- Cyan (34%)
- Magenta (66%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2769, 15.8293, 10.9508 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 21.2769, 15.8293, 10.9508 by changing the saturation by 10% instead.


 21.2769, 15.8293,
10.9508


 21.2769, 15.8293,
10.9508


251.4504,
228.3323, 208.0550


 13.4402, 9.4034,
5.9200


 45.0357, 36.3016,
28.2044

 7.8114, 5.0053,
2.7285


 61.6885, 51.1168,
41.2643


 4.0253, 2.2503,
0.9577

 82.0108, 69.4973,
57.8377

 1.7165, 0.7472,
0.0000

 106.3677, 91.8275,
78.3430

 0.4665, 0.0000,
0.0000

 135.1248,
118.4916, 103.1988

 0.0000, 0.0000,
0.0000

168.6474,

149.8742, 132.8238

207.3008,
186.3597, 167.6363

■ 21.2769, 15.8293,
10.9508

■ 21.2769, 15.8293,
10.9508

■ 19.4633, 13.1756,
7.3450

■ 23.5676, 19.1815,
15.5040

■ 18.0920, 11.1690,
4.6190

■ 26.3644, 23.2740,
21.0638

■ 17.1255, 9.7547,
2.6978


■ 29.6955, 28.1484,
27.6860


■ 16.5197, 8.8682,
1.4936


■ 33.5867, 33.8423,
35.4216


■ 16.1975, 8.3967,
0.8532


■ 38.0621, 40.3911,
44.3186

 16.1485, 8.3250,
0.7558

 43.1444, 47.8279,
54.4221

 48.8551, 56.1842,
65.7749

 55.2146, 65.4899,
78.4174

 62.2424, 75.7735,
92.3887

Harmonies

Analogous

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



21.9467, 15.8293, 18.9192



21.2769, 15.8293, 10.9508



18.8470, 15.8293, 6.5794

Triad

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



21.2769, 15.8293, 10.9508



10.6124, 15.8293, 8.9920



14.4827, 15.8293, 41.0336

Complementary

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



21.2769, 15.8293, 10.9508



25.0002, 32.8570, 42.0700

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.



11.7926, 15.8293, 35.6883



21.2769, 15.8293, 10.9508



9.7675, 15.8293, 15.6547

Square

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



21.2769, 15.8293, 10.9508



12.6516, 15.8293, 5.7575



10.1673, 15.8293, 25.5559



17.7233, 15.8293, 38.4053

Rectangle

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



21.2769, 15.8293, 10.9508



16.7158, 15.8293, 5.3076



10.1673, 15.8293, 25.5559



13.4899, 15.8293, 40.0665

Sweetspot

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



21.2773, 15.8301, 10.9511



56.5571, 54.9865, 55.5482



26.6245, 17.9685, 39.1106



12.0177, 11.5320, 11.4922



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.2773, 15.8301, 10.9511



35.0771, 23.5550, 12.8473



25.5228, 24.3212, 12.3663



7.5312, 7.5424, 7.8482



12.1947, 6.2867, 0.5707



0.2967, 0.1530, 0.0139

Inverse Universe

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



25.0002, 32.8570, 42.0700



42.6581, 58.2274, 76.2158



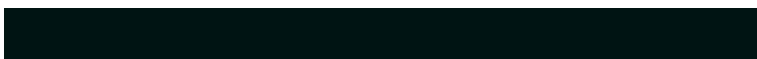
18.6526, 20.1617, 39.9541



7.7475, 8.5320, 9.6568



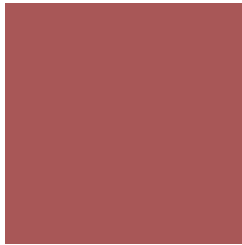
15.9104, 23.2811, 31.6306



0.3871, 0.5665, 0.7696

Previews

White Background



This preview shows how the XYZ color 21.2769, 15.8293, 10.9508 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 21.2769, 15.8293, 10.9508 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 21.2769, 15.8293, 10.9508

Background



This preview shows how black text looks on a background with the XYZ color 21.2769, 15.8293, 10.9508.

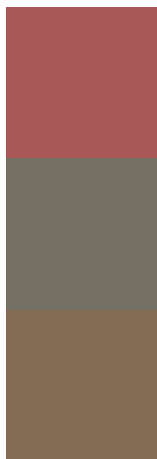


This preview shows how white text looks on a background with the XYZ color 21.2769, 15.8293,

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

21.2769, 15.8293, 10.9508

Protanopia

15.1390, 15.9827, 14.0914

Deuteranopia

16.2180, 15.9808, 10.6173



Tritanopia

21.4080, 15.7531, 12.0375

Trichromacy



Original Color

21.2769, 15.8293, 10.9508

Protanomaly

16.8086, 15.4799, 12.9285

Deuteranomaly

17.6985, 15.6995, 10.6918

Tritanomaly

21.3217, 15.7186, 11.5831

Monochromacy



Original Color

21.2769, 15.8293, 10.9508

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.6654, 15.3676, 14.6583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2769, 15.8293, 10.9508 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(168, 87, 87)` looks like.

```
.text, #text, p{  
    color:rgb(168, 87, 87)  
}
```

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(168, 87, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 87, 87) }
```

Border

The CSS property to change the border of an element to XYZ 21.2769, 15.8293, 10.9508 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(168, 87, 87) }
```


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

```
.border{ border-color:rgb(168, 87, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 87, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 87, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 87, 87);  
box-shadow:4px 4px 4px 4px rgb(168, 87,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2769, 15.8293, 10.9508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 87, 87) }
```

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

```
.background{ background-color: rgb(168, 87,  
87) }
```

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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