

Converting Colors

XYZ(21.3411, 15.5042, 12.0601)

Have a look what the booklet for
XYZ(21.3411, 15.5042, 12.0601)
contains.

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Color

**XYZ(21.2505, 15.4382,
11.9851)**

Conversions

Conversions Part 1

Format	Color
Hex	A8545C
RGB	168, 84, 92
RGB Percent	66%, 33%, 36%
CMY	0.3412, 0.6706, 0.6392
CMYK	0.00, 0.50, 0.45, 0.34
HSL	354°, 33%, 49%
HSV	354°, 50%, 66%
XYZ	21.2505, 15.4382, 11.9851
YIQ	110.0280, 47.4960, 20.2960

Conversions

Conversions Part 2

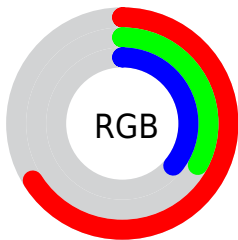
Format	Color
RYB	168, 84, 92
Decimal	11031644
CIELab	46.23, 35.24, 11.44
CIELCh	46, 37.052, 17.986
Yxy	15.4382, 0.4366, 0.3172
Android (android.graphics.Color)	4289221724 (0xFFA8545C)
YUV	110.0280, -8.8878, 50.8414
Hunter-Lab	39.2915, 27.7803, 9.4188

Details

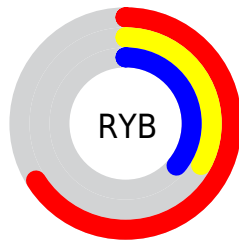
The XYZ color **21.2505, 15.4382, 11.9851** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **24.0047, 32.4284, 38.2537**, and the grayscale version is **14.8447, 15.6178, 17.0077**.

A 20% lighter version of the original color is **45.0507, 35.7301, 30.1133**, and **7.7473, 4.7861, 3.1002** is the 20% darker color. If you saturate the color by 10%, you get **19.5002, 12.8966, 8.4457**, and if you desaturate by 10%, it is **23.4476, 18.6602, 16.3315**.

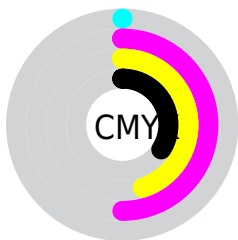
Distribution



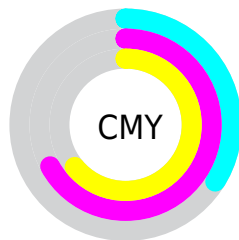
- Red (66%)
- Green (33%)
- Blue (36%)



- Red (66%)
- Yellow (33%)
- Blue (36%)



- Cyan (0%)
- Magenta (50%)
- Yellow (45%)
- Black (34%)





- Cyan (34%)
- Magenta (67%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2505, 15.4382, 11.9851 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 21.2505, 15.4382, 11.9851 by changing the saturation by 10% instead.


 21.2505, 15.4382,
11.9851


 21.2505, 15.4382,
11.9851


251.3134,
226.0034, 215.2810


 13.4207, 9.1275,
6.6111


 44.9922, 35.6201,
30.1320


 7.7979, 4.8244,
3.1454

 61.6349, 50.2601,
43.7419


 4.0166, 2.1446,
1.1693


 81.9459, 68.4453,
60.9343

 1.7115, 0.6895,
0.0000

 106.2905, 90.5601,
82.1276

 0.4635, 0.0000,
0.0000

 135.0343,
116.9889, 107.7404

 0.0000, 0.0000,
0.0000

168.5424,

148.1162, 138.1912

207.1803,
184.3262, 173.8985

■ 21.2505, 15.4382,
11.9851

■ 21.2505, 15.4382,
11.9851

■ 19.5002, 12.8966,
8.4457

■ 23.4476, 18.6602,
16.3315

■ 18.1649, 10.9842,
5.6628

■ 26.1182, 22.6040,
21.5298

■ 17.2102, 9.6468,
3.5811


■ 29.2883, 27.3107,
27.6222


■ 16.5957, 8.8197,
2.1377


■ 32.9816, 32.8176,
34.6483

■ 16.2419, 8.3623,
1.2481


■ 37.2203, 39.1593,
42.6449

 16.2418, 8.3622,
1.2479

 42.0252, 46.3687,
51.6470

 47.4163, 54.4768,
61.6880

 53.4124, 63.5129,
72.7996

 60.0314, 73.5053,
85.0121

Harmonies

Analogous

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



21.4611, 15.4382, 20.7015



21.2505, 15.4382, 11.9851



19.1315, 15.4382, 6.9064

Triad

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



21.2505, 15.4382, 11.9851



10.6034, 15.4382, 7.6400



13.4438, 15.4382, 40.2449

Complementary

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



21.2505, 15.4382, 11.9851



24.0047, 32.4284, 38.2537

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.



10.9682, 15.4382, 33.3527



21.2505, 15.4382, 11.9851



9.4932, 15.4382, 13.4389

Square

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



21.2505, 15.4382, 11.9851



12.8748, 15.4382, 5.0904



9.6164, 15.4382, 22.7809



16.6325, 15.4382, 39.4104

Rectangle

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



21.2505, 15.4382, 11.9851



17.0729, 15.4382, 5.2816



9.6164, 15.4382, 22.7809



12.5102, 15.4382, 38.6761

Sweetspot

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



21.2509, 15.4390, 11.9854



56.1918, 54.0928, 55.9292



24.6560, 16.6011, 38.9504



11.9584, 11.3593, 11.6398



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.



21.2509, 15.4390, 11.9854



35.0827, 22.9651, 14.7025



24.1806, 21.8285, 11.3275



7.5590, 7.5535, 7.9952



12.2745, 6.3185, 0.9909



0.3073, 0.1572, 0.0699

Inverse Universe

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



21.2509, 15.4390, 11.9854



35.0827, 22.9651, 14.7025



19.3052, 21.8737, 40.2501



7.5590, 7.5535, 7.9952



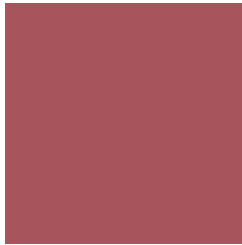
12.2745, 6.3185, 0.9909



0.3073, 0.1572, 0.0699

Previews

White Background



This preview shows how the XYZ color 21.2505, 15.4382, 11.9851 looks on a white background.

Color Contrast Check

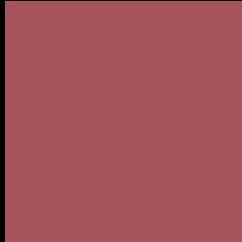
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2505, 15.4382, 11.9851 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 21.2505, 15.4382, 11.9851

Background



This preview shows how black text looks on a background with the XYZ color 21.2505, 15.4382, 11.9851.

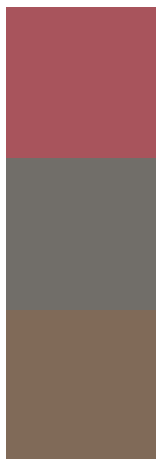


This preview shows how white text looks on a background with the XYZ color 21.2505, 15.4382,

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

21.2505, 15.4382, 11.9851

Protanopia

14.9358, 15.6825, 15.6044

Deuteranopia

15.8176, 15.6018, 11.4103



Tritanopia

21.1642, 15.4037, 11.5306

Trichromacy



Original Color

21.2505, 15.4382, 11.9851

Protanomaly

16.6268, 15.2140, 14.1169

Deuteranomaly

17.4985, 15.2963, 11.4814

Tritanomaly

21.2071, 15.4208, 11.7563

Monochromacy



Original Color

21.2505, 15.4382, 11.9851

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.4619, 15.1119, 14.8812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2505, 15.4382, 11.9851 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, 84, 92)` looks like.

```
.text, #text, p{  
  color:rgb(168, 84, 92)  
}
```

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, 84, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 84, 92) }
```

Border

The CSS property to change the border of an element to XYZ 21.2505, 15.4382, 11.9851 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, 84, 92) }
```


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

```
.border{ border-color:rgb(168, 84, 92) }
```

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

Here you see how a box with a 4 pixel rgb(168, 84, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 84, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 84, 92);  
box-shadow:4px 4px 4px 4px rgb(168, 84,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2505, 15.4382, 11.9851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 84, 92) }
```

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

```
.background{ background-color: rgb(168, 84,  
92) }
```

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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