

Converting Colors

XYZ(21.6819, 16.5181, 16.3378)

Have a look what the booklet for
XYZ(21.6819, 16.5181, 16.3378)
contains.

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Color

**XYZ(21.6382, 16.5235,
16.2363)**

Conversions

Conversions Part 1

Format	Color
Hex	A35C6C
RGB	163, 92, 108
RGB Percent	64%, 36%, 42%
CMY	0.3608, 0.6392, 0.5765
CMYK	0.00, 0.44, 0.34, 0.36
HSL	346°, 28%, 50%
HSV	346°, 44%, 64%
XYZ	21.6382, 16.5235, 16.2363
YIQ	115.0530, 37.1800, 20.0280

Conversions

Conversions Part 2

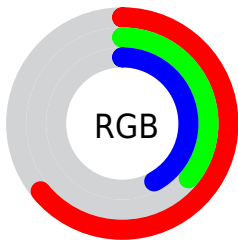
Format	Color
RYB	163, 92, 108
Decimal	10706028
CIELab	47.65, 30.93, 3.69
CIElCh	48, 31.152, 6.805
Yxy	16.5235, 0.3978, 0.3038
Android (android.graphics.Color)	4288896108 (0xFFA35C6C)
YUV	115.0530, -3.4771, 42.0495
Hunter-Lab	40.6491, 23.8826, 4.7724

Details

The XYZ color **21.6382, 16.5235, 16.2363** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.7781, 30.5767, 32.3067**, and the grayscale version is **16.3145, 17.1641, 18.6917**.

A 20% lighter version of the original color is **45.7465, 37.6654, 37.6599**, and **8.0129, 5.3159, 5.0186** is the 20% darker color. If you saturate the color by 10%, you get **19.7510, 13.7478, 12.5283**, and if you desaturate by 10%, it is **23.9275, 19.9474, 20.5590**.

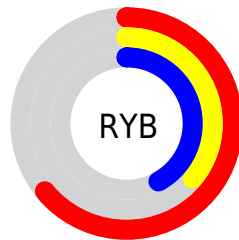
Distribution



Red (64%)

Green (36%)

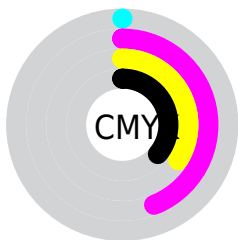
Blue (42%)



Red (64%)

Yellow (36%)

Blue (42%)

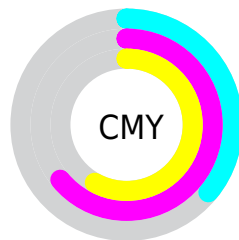


Cyan (0%)

Magenta (44%)

Yellow (34%)

Black (36%)



Cyan (36%)

Magenta (64%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6382, 16.5235, 16.2363 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 21.6382, 16.5235, 16.2363 by changing the saturation by 10% instead.

■ 21.6382, 16.5235,
16.2363

■ 21.6382, 16.5235,
16.2363

253.3190,
232.4113, 242.6252

■ 13.7064, 9.8953,
9.5354

■ 45.6306, 37.5047,
37.7804

■ 7.9971, 5.3296,
4.9904

■ 62.4219, 52.6265,
53.4607

■ 4.1449, 2.4419,
2.1830

■ 82.8972, 71.3483,
72.9712

■ 1.7844, 0.8473,
0.6645

■ 107.4216, 94.0545,
96.7303

■ 0.5083, 0.0000,
0.0000

136.3607,
121.1295, 125.1568

■ 0.0000, 0.0000,
0.0000

170.0797,

152.9577, 158.6691

208.9440,
189.9235, 197.6857

■ 21.6382, 16.5235,
16.2363

■ 21.6382, 16.5235,
16.2363

■ 19.7510, 13.7478,
12.5283

■ 23.9275, 19.9474,
20.5590

■ 18.2407, 11.5768,
9.4055

■ 26.6393, 24.0543,
25.5219

■ 17.0812, 9.9656,
6.8373


■ 29.7943, 28.8798,
31.1504

■ 16.2426, 8.8618,
4.7899

■ 33.4115, 34.4559,
37.4682


■ 15.6894, 8.2031,
3.2253


■ 37.5086, 40.8130,
44.4977

 15.4340, 7.9184,
2.4428

 42.1025, 47.9796,
52.2603

 47.2093, 55.9829,
60.7766

 52.8442, 64.8487,
70.0663

 59.0219, 74.6017,
80.1483

Harmonies

Analogous

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



21.1531, 16.5235, 24.7251



21.6382, 16.5235, 16.2363



20.3895, 16.5235, 10.2852

Triad

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



21.6382, 16.5235, 16.2363



12.7133, 16.5235, 8.3012



13.6910, 16.5235, 36.0670

Complementary

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



21.6382, 16.5235, 16.2363



22.7781, 30.5767, 32.3067

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.



11.7995, 16.5235, 28.8189



21.6382, 16.5235, 16.2363



11.2833, 16.5235, 12.6066

Square

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



21.6382, 16.5235, 16.2363



15.0797, 16.5235, 6.6636



10.9697, 16.5235, 19.8684



16.3475, 16.5235, 37.8942

Rectangle

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



21.6382, 16.5235, 16.2363



18.8197, 16.5235, 7.9750



10.9697, 16.5235, 19.8684



12.9546, 16.5235, 34.0979

Sweetspot

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



21.6386, 16.5243, 16.2366



53.5502, 52.0148, 56.1248



22.3699, 16.4503, 36.6467



11.7411, 11.2433, 12.0999



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.6386, 16.5243, 16.2366



35.5531, 24.8843, 22.8001



22.7138, 19.9144, 12.7729



7.1361, 7.1109, 7.7031



12.0099, 6.1600, 1.9765



0.2687, 0.1360, 0.1276

Inverse Universe

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



21.6386, 16.5243, 16.2366



35.5531, 24.8843, 22.8001



21.0085, 24.8870, 38.3469



7.1361, 7.1109, 7.7031



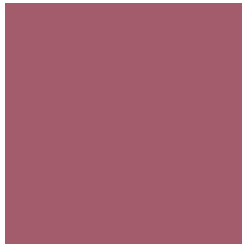
12.0099, 6.1600, 1.9765



0.2687, 0.1360, 0.1276

Previews

White Background



This preview shows how the XYZ color 21.6382, 16.5235, 16.2363 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 21.6382, 16.5235, 16.2363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

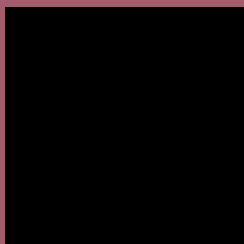
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6382, 16.5235, 16.2363

Background



This preview shows how black text looks on a background with the XYZ color 21.6382, 16.5235, 16.2363.



This preview shows how white text looks on a background with the XYZ color 21.6382, 16.5235,

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

21.6382, 16.5235, 16.2363

Protanopia

16.2347, 16.7437, 20.1455

Deuteranopia

17.0278, 16.7610, 15.7023



Tritanopia

21.1149, 16.4302, 14.1151

Trichromacy



Original Color

21.6382, 16.5235, 16.2363

Protanomaly

17.7197, 16.2696, 18.7294

Deuteranomaly

18.4363, 16.4038, 15.8302

Tritanomaly

21.2628, 16.4894, 14.8941

Monochromacy



Original Color

21.6382, 16.5235, 16.2363

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.6980, 16.5908, 17.5988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6382, 16.5235, 16.2363 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(163, 92, 108)` looks like.

```
.text, #text, p{  
    color:rgb(163, 92, 108)  
}
```

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(163, 92, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 92, 108) }
```

Border

The CSS property to change the border of an element to XYZ 21.6382, 16.5235, 16.2363 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(163, 92, 108) }
```


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

```
.border{ border-color:rgb(163, 92, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 92, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 92, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 92, 108);  
box-shadow:4px 4px 4px 4px rgb(163, 92,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6382, 16.5235, 16.2363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 92, 108) }
```

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

```
.background{ background-color: rgb(163, 92,  
108) }
```

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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